



ILLINOIS STATE LIBRARY

Accession No. 57839

Book No. I 622.33

BOOKS may be taken from the State Library by the members of the General Assembly and its officers during the session of the Legislature, and at any time by the Governor, and the officers of the Executive Department of this State who are required to keep their offices at the seat of government, and the Justices of the Supreme and Appellate Courts.

No person shall be allowed to take any book or property from the Library without executing a receipt therefor, nor to take or detain from the Library more than two volumes of miscellaneous works at any one time.

No miscellaneous works shall be detained more than two weeks. All Laws, Journals, etc., taken by members of the Legislature shall be returned at the close of the session.

If any person injures, or fails to return any book taken from the Library within the time above mentioned, HE SHALL FORFEIT AND PAY TO THE LIBRARIAN, for the benefit of the Library, THREE TIMES THE VALUE THEREOF, or of the set to which it belongs.

Any person, not above mentioned, who takes books or other articles from the State Library without the consent of the Librarian will be prosecuted for larceny.

Any person taking books from the State Library without reporting the same to the Librarian or assistant, and causing the same to be properly charged upon the Register, will be prosecuted to the full extent of the law.

No entry of charge or return of books will be permitted to be made, except by the Librarian or assistant.

Persons using books of the Library will return the same to the Librarian or assistant.

HARRY WOODS,
Secretary of State and ex-officio State Librarian.

Gift of
Dr. Frederick Howland Wines.
Twenty-Seventh Annual Coal Report

OF THE

Illinois Bureau of

LABOR STATISTICS

1908.



DAVID ROSS, Secretary,
SPRINGFIELD.



57839

SPRINGFIELD:
ILLINOIS STATE JOURNAL CO.,
STATE PRINTERS
1909.

ILLINOIS STATE LIBRARY

25318

1950

20811

78281

I 2-18-11

BOARD OF COMMISSIONERS OF LABOR.

1908.

GEORGE L. PITTENGER, *President*, Centralia.

EDGAR F. WILLS, Decatur.

FRANK B. MOTT, Galesburg.

J. D. PETERS, Carbondale.

M. H. MADDEN, Chicago.

Secretary.

DAVID ROSS, Springfield.

2-18-11



STATE MINING BOARD.

1908.

RICHARD NEWSAM, M. E., *President*, Peoria.

MATT. DAVIDSON, SR., Duquoin.

LEE KINCAID, Athens.

HENRY TERRILL, Colchester.

MARTIN H. LINSKEY, H. E., Streator.

Secretary.

MARTIN BOLT, Springfield.



STATE INSPECTORS OF MINES.

1908.

First District.

HECTOR McALLISTER, Streator.

Second District.

THOMAS HUDSON, Galva.

Third District.

JOHN DUNLOP, Peoria.

Fourth District.

THOMAS WEEKS, Bloomington.

Fifth District.

THOMAS MOSES, Westville.

Sixth District.

THOMAS HANNAH, Springfield.

Seventh District.

W. W. WILLIAMS, Litchfield.

Eighth District.

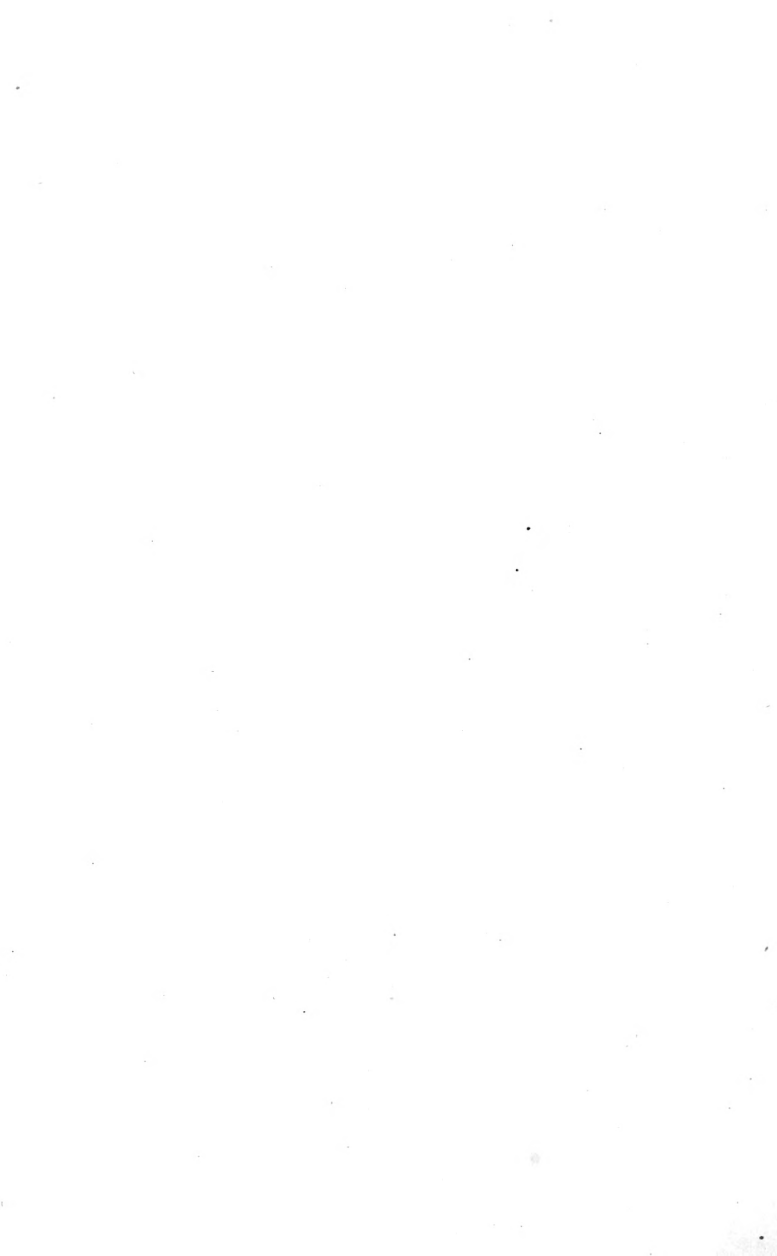
WALTON RUTLEDGE, Alton.

Ninth District.

W. S. BURRIS, Duquoin.

Tenth District.

THOMAS LITTLE, Carbondale.



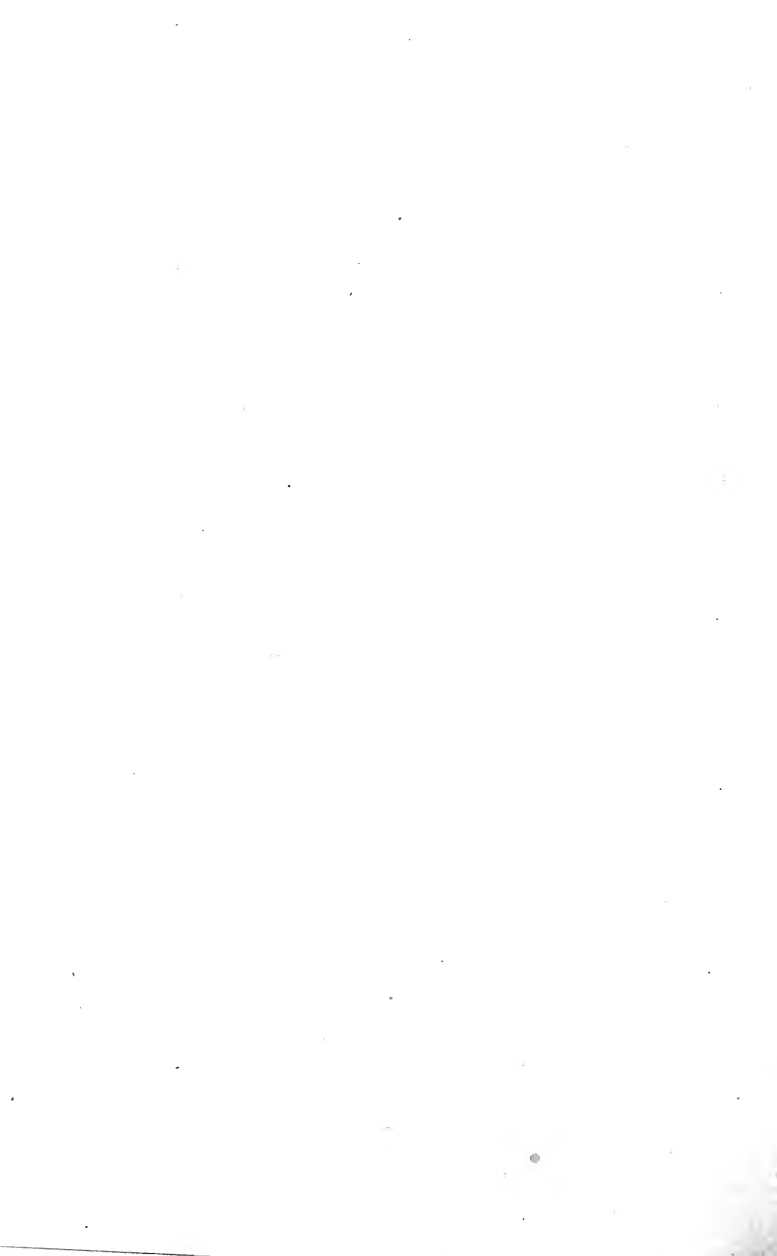
STATE OF ILLINOIS,
OFFICE OF THE BUREAU OF LABOR STATISTICS,
SPRINGFIELD, Jan. 1, 1909.

Honorable Charles S. Deneen, Governor of Illinois:

SIR—I have the honor, on behalf of the Board of Commissioners of Labor, to submit herewith the twenty-seventh annual report of the coal industry of the State for the year ended, July 1, 1908.

Very respectfully,

DAVID ROSS,
Secretary.



CONTENTS TWENTY-SEVENTH ANNUAL COAL REPORT, 1908.

	PAGE.
Introductory	1
Summary for the year	5
Classification of mines	7
Increase or decrease mines, men and tons	10
Shipping and local mines sixteen years	12
Grouping of mines by output	13
Classification of mines as to tonnage 26 years.....	16
Grouping of mines by tonnage 17 years.....	18
Mines of largest output with location.....	20
Mines producing more than 200,000 tons location, days of operation, thickness of seam	23
Mines producing 50,000 tons and more 13 years.....	26
Number of mines, gain and loss for the year.....	27
Number of mines opened and closed, gain and loss, 19 years.....	28
Shipping mines opened and closed, 18 years.....	29
Shipping mines by districts, 13 years.....	30
Shipping mines by districts and counties for the years 1907-8.....	31
All shipping mines, total tons, with distribution of output.....	33
Proprietorship of shipping mines for five years.....	44
Location of all mines, postoffice and county, with mines, men and tons.....	45
Graded output for the year	53
Graded output with percentages for 9 years.....	55
Mines, men, and tons, 27 years.....	56
Men employed, total output with gain and loss, 27 years.....	57
Output shipping mines by counties for each calendar month of the year.....	58
Percentage of the output for each month of the year and for years 1906-1907..	62
Tons and percentages for the first and second six months, for the year and for the years 1906-1907.....	63
Haulage in mines	64
Motor haulage in mines, by districts	65
Name and number of motors in use, by districts.....	69
Counties of largest output, producing 500,000-tons and over for 10 years.....	70
Coal producing counties of the State—mines, men and tons.....	72
Disposition of the output, by districts.....	74
Output of shipping and local mines, percentage of distribution for 9 years.....	76
Disposition of output, by counties and districts.....	77
Distribution of coal to railroads, by counties.....	80
Railroads, coal delivered to each at the mines.....	85
Counties furnishing coal to railroads	86
Counties, total production and distribution of output.....	91
Days of active operation, by districts	93
Days of active operation, all mines, for 16 years.....	94
Average value of coal per ton at the mines for 4 years.....	95
Mine employes, by districts	96
Classification of mine employes for 10 years.....	97
Employes in all mines, by districts, for 26 years.....	98
Prices paid for mining, hand and machine, by districts.....	99
Prices paid for hand and machine mining for 8 years.....	100
Earnings of miners, by districts and for 8 years.....	101
Machine mining, by districts	102

	PAGE.
Machine mining, mines, men, machines, tons, for 9 years.....	103
Name and number of mining machines, by districts.....	103
Mining machines in use for 9 years.....	104
Mines in which machines are used exclusively, with tons cut.....	104
List of machines in use, mines, men, days, tons.....	107
Mines in which machines are used partly.....	108
Powder used in mines, by districts, and for 9 years.....	110
Distribution of powder in shipping mines, by districts.....	111
Powder used in shipping mines, hand mining.....	112
Powder used in shipping mines, machine mining.....	112
Powder used in shipping mines, hand and machine mining.....	113
Percentage of mines, miners, tons, kegs of powder, three years.....	113
Blasting coal in the mines, by districts.....	114
Summary of conditions at all mines, Tables 69, 70, 71, 72.....	115
PHYSICAL CHARACTER OF COAL MINES IN ILLINOIS, BY COUNTIES—	
REVISED NUMBERING OF GEOLOGICAL SEAM, OLD AND NEW, BY COUNTIES:	
Brown, Calhoun, Christian, Clinton, Franklin.....	119
Franklin, Fulton, Gallatin, Greene, Jackson, Macon, Madison, Saline, Sangamon, Scott, St. Clair, White, Williamson.....	120
PHYSICAL CHARACTERISTICS OF COAL MINES, NAME OF OPERATORS, WITH POST OFFICE ADDRESS, AND TONS, BY COUNTIES—	
Bond, Brown	122
Bureau, Calhoun, Cass, Christian, Clinton.....	123
Edgar, Franklin, Fulton	124
Gallatin, Greene, Grundy, Hancock	126
Henry, Jackson	127
Jefferson, Johnson, Kankakee, Knox	128
LaSalle, Livingston	129
Logan, Macon, Macoupin	130
Madison, Marion	131
Marshall, McDonough	132
McLean, Menard, Mercer	133
Montgomery, Morgan, Peoria	134
Perry, Putnam, Randolph	136
Rock Island, Saline	137
Sangamon, Schuyler	138
Scott, Shelby, Stark	139
St. Clair	140
Tazewell	141
Vermilion	142
Warren, Washington, White, Will	143
Williamson, Woodford	144
Summary of the physical character of mines by geological number of seam..	145
Fatal accidents for the year, by districts.....	146
Fatal accidents, men, tons, and ratio, for 26 years.....	147
Fatal accidents, averages and proportion, for 26 years.....	148
Fatal accidents by causes for the year	149
Fatal accidents by leading and other causes for 21 years.....	150
Fatal accidents by explosion of powder and other causes, by districts and for 8 years	151
Fatal casualties, percentages by powder and other causes, for 8 years.....	153
Fatal and non-fatal accidents for the year, by causes.....	154
Fatal accidents by falls and other causes, persons employed, total tons, for 26 years	155
Fatal accidents, occupation and conjugal relations, for the year.....	156
Fatal accidents in coal mines of the United States, by states, for 10 years...	157
Fatal accidents in the United States, number killed per 1,000 employed.....	158
Non-fatal accidents for the year, by districts.....	159
Non-fatal accidents, number, employés, tons, for 26 years.....	160
Non-fatal accidents, by occupation	161
Non-fatal accidents, conjugal relations, time lost.....	162
Non-fatal accidents, by causes	163
Non-fatal accidents, use of powder, other causes, by districts and for 8 years.	165

	PAGE.
Non-fatal accidents, percentages for 8 years.....	166
Non-fatal accidents, falling roof and other causes, for 26 years.....	167
Killed and injured, 26 years	168
Men employed, tons produced, killed, injured, increase and decrease, 26 years.....	169
Ventilating fans, in coal mines.....	170
Fans in use, mines, men underground.....	178
Fans, names of, by districts	179

ANNUAL REPORTS OF THE STATE INSPECTORS OF MINES—

FIRST INSPECTION DISTRICT—*Hector McAllister, Inspector.*

Text of the report	183
New and abandoned mines, change in ownership.....	184
Improvements, description of fatal accidents.....	185
Tables of fatal and non-fatal accidents.....	187
Statistical tables of counties, Grundy, Kankakee, LaSalle and Will.....	192
Recapitulation by counties	200

SECOND INSPECTION DISTRICT—*Thomas Hudson, Inspector.*

Text of the report	202
Mines, new and abandoned, improvements.....	203
Fatal accidents, description of.....	204
Tables of fatal and non-fatal accidents.....	206
Statistical tables of counties, Bureau, Henry, Knox, Mercer, Rock Island, Warren	210
Recapitulation by counties	222

THIRD INSPECTION DISTRICT—*John Dunlop, Inspector.*

Text of the report	224
Comparative table, output by counties	225
Fatal accidents, description of	225
Table of fatal and non-fatal accidents.....	226
Statistical tables of counties, Livingston, Marshall, Peoria, Putnam, Stark, Woodford	230-241
Recapitulation by counties	242

FOURTH INSPECTION DISTRICT—*Thomas Weeks, Inspector.*

Text of the report	244
New and abandoned mines, business changes, improvements, output by counties	245
Fatal accidents, description of	246
Table of fatal and non-fatal accidents.....	247
Statistical tables of counties, Fulton, Hancock, McDonough, McLean, Tazewell	252
Recapitulation by counties	262

FIFTH INSPECTION DISTRICT—*Thomas Moses, Inspector.*

Text of the report	264
Decrease in production	264
Abandoned mines, improvements, description of fatal accidents.....	265
Tables of fatal and non-fatal accidents.....	267
Statistical tables of counties, Edgar, Macon, Vermilion.....	272
Recapitulation by counties	276

SIXTH INSPECTION DISTRICT—*Thomas Hannah, Inspector.*

Text of the report	278
Comparative table, output by counties.....	279
Improvements, enforcement of mining laws, description of fatal casualties.....	279
Tables of fatal and non-fatal casualties.....	282-287
Statistical tables of counties, Brown, Cass, Logan, Menard, Sangamon, Schuyler	288
Recapitulation by counties	298

SEVENTH INSPECTION DISTRICT—*W. W. Williams, Inspector.*

Text of the report	300
New mines, fires, improvements	301
Abandoned mines, mines suspended, description of fatal accidents.....	302
Tables of fatal and non-fatal accidents.....	305

	PAGE.
Statistical tables of counties, Calhoun, Christian, Green, Macoupin, Montgomery, Morgan, Scott, Shelby	310
Recapitulation by counties	322
EIGHTH INSPECTION DISTRICT— <i>Walton Rutledge, Inspector.</i>	
Text of the report	324
Comparative table, improvements	325
Abandoned mines, change of name	326
Description of fatal accidents	327
Tables of fatal and non-fatal accidents.....	331
Statistical tables of counties, Bond, Madison, St. Clair.....	326
Recapitulation by counties	345
NINTH INSPECTION DISTRICT— <i>W. S. Burris, Inspector.</i>	
Text of the report	346
Comparative table, new mines.....	347
Mines re-opened, prospective mines, abandoned mines.....	348
Change of name, description of fatal accidents.....	349
Tables of fatal and non-fatal accidents.....	353
Statistical tables of counties, Clinton, Franklin, Jefferson, Marion, Perry, Randolph, Wishington, White	358
Recapitulation by counties	368
TENTH INSPECTION DISTRICT— <i>Thomas Little, Inspector.</i>	
Text of the report	370
Comparative table, new mines.....	371
Improvements, change of name	372
Abandoned mines, description of fatal accidents.....	373
Tables of fatal and non-fatal accidents.....	377
Statistical tables of counties, Gallatin, Jackson, Johnson, Saline, Williamson	384
Recapitulation by counties	396
REGISTER OF CERTIFICATED MINE MANAGERS, HOISTING ENGINEERS, AND MINE EXAMINERS—	
Mine Managers, certificates of competency	399-408
Mine Managers, certificates of service	409
Mine Managers, certificates of competency, not to exceed ten men employed	410-419
Hoisting engineers, certificates of competency.....	420-431
Hoisting Engineers, certificates of service	431
Mine Examiners, certificates of competency	430-442
Mine Examiners, certificates of service	443

TWENTY-SEVENTH ANNUAL REPORT.

Statistics of Coal in Illinois for the Year Ending June 30, 1908.

COAL IN ILLINOIS.

INTRODUCTORY.

During the year closing with this report the volume of coal production reached its highest point in the history of mining in Illinois.

Up to this time there has been a steady annual increase particularly since the revival of industry in 1897.

Present appearances however, indicate that a reaction has set in, the effects of which will be noticable in the succeeding report, not alone in the matter of production, but, what is equally if not more important, in values as well.

With a mining equipment easily equal to twice the demands of the market, the natural ambition to get business has resulted in the almost complete demoralization of prices on contract coal. The statement can be made safely and confidently that never before was coal sold to the great consumers at a price so near if not in some instances below, the actual cost of production. In addition to general wasteful methods we are robbing a valuable future inheritance and yielding up, without adequate return, an essential element of present and future power.

What a ridiculous commentary it is upon modern business sense when we are compelled to admit that the larger the concern the less it has to pay for what it needs—that values are not based on worth or the labor required in their production, but on the size of the concerns with which we do business and the extent of the orders they may grant. A great railroad or other corporation lets a contract for 100,000 tons of coal and it is filled at one dollar per ton or less; the private household consumer requiring twenty, thirty or fifty tons per annum is charged \$2.50 or \$3.00 per ton delivered. The local trade is taxed for the benefit of the big consumers. If the larger buyers continue to dodge their share of the costs, the little ones must make good the difference.

A business that taxes most, those who can least afford it, is not conducted on the principle of the Golden Rule and its failure is but a question of time. If the transportation interests have not secured too strong a grip on the coal mining industry of the country, it is possible to reorganize the business on a basis that will insure justice to all; a reasonable and uniform charge for an indispensable commodity; a fair return on the capital invested, and liberal wages for all classes of men engaged in the occupation. Instead of wasting brain tissue in the foolish attempt to get business at no-profit prices, better devise a plan that would distribute charges by withdrawing favors to great consumers, put all in respect to prices, on an equality, and the cost to the average consumer would be less, profits and wages could be increased while the necessities created by the present unbusinesslike system, which puts everybody at the mercy of some one else, would immediately cease to exist. It is a consideration devoutly to be wished, and its promise will not be realized until some of the power now wasted in mere quibbling over details is applied in a practical manner that will put the industry on a safe paying basis without oppressing or treating unfairly, any legitimate interest. It is impossible to make the small class of consumers believe, many of whom live in the coal regions, that the average reported value of coal at the mines is but a fraction in excess of \$1.00 per ton, neither can they understand why they should be selected for discrimination in the matter of prices compared with the favored rates granted the great consumers.

Under the prevailing system, if it is permissible to speak of it as such, there is valid ground for the double complaint; first, on the part of the smaller consumers that they are compelled to pay excessive prices for fuel; and second, on the part of the mine owners that, figuring on the prices at which the entire output is sold, there is but little if anything in the business for them. So dangerously close has the margin become, that any change in the way of legislation or otherwise designed to further protect employes, if it adds to the cost of production in a degree however insignificant, is followed by a threat to close the mines. When an industry reaches a point where the men who have their money invested feel more secure with their property idle than in operation, the time has certainly arrived to test the sanity of present business methods.

The total product for the year was 49,272,452 tons, of which amount the 407 commercial mines furnished 47,809,730 tons, and the 515 local mines, 1,462,722 tons, representing about the usual ratio between the shipping and local mines. There were employed in every capacity in and about the mines 70,841 men, of which number 46,194 were miners employed in the shipping mines, an average of 191 days during the year and producing 1,035 tons per miner.

More than one-third of the entire tonnage was cut by machines. Notwithstanding an unfavorable machine mining rate the quantity of coal secured through the use of machines continues to steadily increase. Naturally with an increased machine tonnage the quantity of powder used in blasting would decrease proportionately. The figures show the reverse to be true and that while the machine tonnage for this year com-

pared with last, increased 719,969 tons, there was an increase of 66,544 kegs in the quantity of powder consumed or an average of thirty-four tons of coal to each keg of powder.

The coal miners attribute the increase to the fact that powder is cheaper than formerly and therefore inferior in strength. The powder companies insist that there has been no change either in the composition of the product or in the process of its manufacture. It would seem unnecessary to seriously consider either of these claims, but where the facts show that it requires the consumption in solid shooting mines of nearly one pound of powder for every ton of coal produced, the results cannot be considered in any other way than as a condemnation of existing methods. In the thick coal seams of the State, furnishing 73.3 per cent of the total product used, and the ratio will continue to increase, powder or some other explosive equally powerful, will be necessary in the process of extracting coal, whether it is undercut before shooting or not. The question therefore resolves itself to the simple proposition, whether having in view the conservation of life and property, we shall continue to commit to incompetent and careless hands, the use of dangerous explosives, or provide, either by statute or mutual agreement, that only men specially educated and trained for such work shall be employed, whose exclusive duty it shall be to drill holes, charge and fire same. In commenting on this question in the 1906 coal report in which such a plan was recommended, reference was made to the great and unnecessary expense entailed in the present promiscuous use of powder. On the assumption that fully one-half of the powder consumed was practically wasted, a loss that could be avoided under the proposed plan, in addition to the saving of lives and the production of a better quality of coal, it was estimated that nearly one million dollars could be saved annually to the miners.

So terrific have been some of the explosions in our coal mines, that, had they occurred while the usual complement of men were at work, not a single life would have been spared. It was the consideration of such a possibility that induced the Legislature to create the shot firers law, effective July 1, 1905. That law was, and is, subject to the fair criticism that it transferred the responsibility from the man who prepared the improper shot to the man whose duty it now is to fire the shot. The friends of that law could do no other than admit the truth and force of such an objection, but in answer thereto, set up the justifiable plea that if the lives of the men had to be sacrificed in such work it was the part of wisdom to expose the least number possible to the deadly fury of the blast.

Taking the years from 1903 to 1908, inclusive, three years preceding and three years succeeding the enactment of the shot firers law, it is found that the loss of life directly due to the use of powder is nearly forty per cent less during the three year period that the law has been in operation, during which time there has been a very material increase both in the tonnage and in the number of men employed.

It was the intention of the law to protect the shot firer in his refusal to fire shots which in his judgment, were dangerous.

The causes from which many shot firers have lost their lives, indicate either that many of them were selected without considering their qualifications for such employment, or that their judgment was defective. No matter what the cause, whether bad judgment on the part of the shot firers, or undue haste in the discharge of their duties; or a desire not to offend miners whose shots were not properly located or prepared, the law has not been given a fair trial.

The deaths in most instances resulted from the firing of dead holes which is strictly forbidden by the law.

If the enforcement of the law had been entrusted only to men particularly equipped for that kind of work, the percentage of loss would have been considerable less.

Of the twenty-nine fatalities reported this year as a result of using power, fourteen were shot firers, and fifteen miners, seven of the miners lost their lives in an ignorant and unlawful effort to prepare shots, which is an additional reason why some plan should be adopted that would entirely divorce the present class of miners from all connection with deadly explosives.

In the general classification of fatal accidents by causes appearing in table seventy-nine it is noted that of the 183 fatal accidents this year, one-half, or 49.7 per cent resulted from falling roof and coal at the working faces of rooms and entries. Mine cars account for thirty-five or six more than to the use of powder.

No amount of legislation can make absolutely safe the business of coal mining. The occupation, by its very nature, is hazardous, and accidents from one cause or another will continue to occur.

In respect to the accidents resulting from falling slate and coal many of them are due to carelessness and therefore preventable.

The statement that "familiarity breeds contempt" is as true of danger as of other things. Men whose occupations expose them to a certain class of known risks, become indifferent and are willing at all times to take chances. It is this association with dangers and the natural disposition of men that swells the totals of our casualty lists. As a means of protecting men from themselves, it has become the custom recently in certain coal mining districts for companies to employ what is known as face bosses, whose duty it is to visit men while at work and when they note any dangerous places, to insist upon the miners propping them without delay. A very material reduction in the customary number of accidents from such causes in those districts has resulted, and the general adoption of such a practice in the State, would doubtless have a most salutary effect. Men who have followed the business of coal mining, know how natural it is for those who while fully advised of a bad rock, in their eagerness to complete some other work, will defer propping it only to be caught in its fall later on. If it only cripples him, he becomes a charge upon his family and friends during recovery, if it proves fatal a widow and perhaps a number of orphan children suffer and pay the penalty of parental carelessness.

This volume presents the twenty-seventh annual report of the bureau concerning the coal mining industry of the State, and is for the year

ending June 30, 1908. The different tables following bring to view the many features of the industry, all of which are drawn from the reports of the ten State Inspectors of Mines. These reports are compiled by the inspectors from schedules secured from every operator in the State, and are therefore the most reliable information obtainable. The presentations are similar, in every respect, to those to be found in the reports of previous years. So that comparisons can be readily made of all the different features shown. A summary is presented of the most important subjects considered; these are derived from the reports of the inspectors.

Summary for the Year Ended June 30, 1908.

	1908	1907
Number of counties producing coal.....	54	55
Number of mines and openings of all kinds.....	922	933
New mines or old mines reopened during the year.....	97	88
Mines closed or abandoned since last report.....	108	173
Total output of all mines, in tons of 2,000 pounds.....	49,272,452	47,798,621
Number of shipping or commercial mines.....	407	411
Number employed at shipping mines.....	67,470	63,154
Total output of shipping mines, tons.....	47,809,730	46,436,839
Number of mines in local trade only.....	515	522
Output of local mines, tons.....	1,462,722	1,361,782
Total tons of mine run coal.....	11,224,540	11,628,302
Total tons of lump coal.....	21,166,563	20,599,509
Total tons of egg coal.....	2,594,336	2,469,442
Total tons of nut coal.....	2,788,120	2,625,306
Total tons of pea coal.....	9,640,914	9,138,044
Total tons of slack coal.....	1,857,979	1,338,018
Total tons shipped.....	43,558,055	42,032,535
Tons supplied to locomotives at the mines.....	1,016,360	1,100,706
Tons sold to local trade.....	2,517,366	2,503,639
Tons consumed (or wasted) at the plant.....	2,180,661	2,161,741
Average days of active operation for shipping mines.....	191	209
Average days of active operation for all mines.....	171	184
Average value per ton all grades at shipping mines.....	\$1.02	\$1.022
Aggregate home value of total product.....	\$50,989,082	\$49,486,396
Average value per ton, all grades, at all mines.....	\$1.035	\$1.037
Number of mines in which mining machines are used.....	105	101
Number of mining machines in use.....	1,160	1,105
Number of tons undercut by machines.....	15,210,423	14,490,454
Number of tons mined by hand.....	34,062,029	33,308,186

Summary—Concluded.

	1908	1907
Average number of miners employed during the year	48,931	45,498
Average number of other employes underground	13,929	13,026
Average number of boys employed underground	1,564	1,595
Average number of employes above ground	6,417	6,595
Total number of employes	70,841	66,714
Number of persons at work underground	64,424	60,119
Number at work on surface	6,417	6,595
Average price paid per gross ton for hand mining, shipping mines	\$0.593	\$0.592
Average price paid per gross ton for machine mining	\$0.467	\$0.479
Number of kegs of powder used for blasting coal	1,328,454	1,261,910
Number of kegs of powder used for other purposes	2,692	5,121
Number of men accidentally killed	183	165
Number killed inside of the mines	170	158
Number killed outside of the mines	13	7
Number of wives made widows	90	95
Number of children left fatherless	223	273
Number of men injured so as to lose a month or more of time	819	636
Number of gross tons mined to each life lost	249,279	289,689
Number of employes to each life lost	428	404
Number of deaths per 1,000 employed	2.6	2.5
Number of gross tons mined to each man injured	60,162	74,802
Number of employes to each man injured	86	104
Number killed to each million tons produced	3.7	3.5
Number injured to 1,000 employed	11.6	9.6

Fifty-four counties are reported this year as producing coal; this is one county less than reported last year. Jersey county reporting no coal mined. The number of mines in operation was 922, this is eleven less than last year, this number comprises four shipping mines and seven local mines, and ninety-six less than reported for 1906.

The output of coal was 49,272,452 tons, an increase over last year of 1,473,831 tons, or 3.1 per cent. This small increase is accounted for, partly at least, by the almost entire suspension of mining at shipping mines during the month of April, pending the settlement of mining prices, and other matters, between the miners and operators for the ensuing two years.

The output of the shipping mines of the State during the month of April was only 140,640 tons, while the average monthly output for the other eleven months was 4,333,553 tons; so that, had normal operations continued throughout the year, the total output would have been about fifty-four million tons. The aggregate home value of the total product at

the mines was \$50,989,082.00, giving an average value per ton of \$1.035 for all grades of coal; the average value per ton, all grades, last year was \$1.037.

The number of persons employed increased 6.2 per cent, wholly at the shipping mines, and mainly of miners proper. The total tonnage of the shipping mines, loaded on cars at the mines for transportation to the markets, was 43,558,055 tons, this was 91.1 per cent of the total output of all grades of this class of mines; this tonnage shipped from the mines exceeded that of last year by one and a half million tons.

Machine cutting of coal shows an increase of over seven hundred thousand tons more than was cut last year, this increase was wholly in mines where the coal is cut exclusively by machines. The number of machines in use in this class of mines was 754, an increase of six machines over last year, and the largest number ever reported. The total number of machines in use this year was 1,160, this is fifty-five machines more than was reported last year. The total tons cut by machines was 15,210,423; this is over thirty per cent of the total tons produced, and is about the same proportion as shown for last year.

Notwithstanding the efforts made by operators and miners to reduce the prodigal use of powder in the mines; the number of kegs used the past year was 1,328,454, an increase of 66,544 kegs, or five per cent more than was used last year, and over twenty-nine per cent more than was used in 1906. Each keg of powder contains twenty-five pounds, which applied to the total number of kegs used during the past year equals 33,211,350 pounds, or 16,606 tons of powder exploded in the coal mines of the State. To further illustrate the excessive use of powder in mining coal in this State it is shown that the shipping mines, in which ninety-seven per cent of the powder is used, were in operation an average of 191 days. Applying this number of days to the total pounds of powder used, gives 173,881 pounds or eighty-seven tons of powder consumed every working day in our coal mines during the past year.

The agreed price of powder per keg to the miners is \$1.75 this gives an aggregate of \$2,324,794.00 paid by the miners for powder during the year.

The number of men killed in the mines during the past year was 183, this is eighteen more than reported last year, and exceeds in number that of any previous year, with the exception of the year 1895, when fifty men lost their lives in one accident at the Zeigler mine in Franklin county. The number of men reported as injured, so as to lose thirty or more days time, was 819, this is 147 more than reported for any previous year.

The ratio of total accidents for the year was 2.6, and for non-fatal 11.6 to each 1,000 persons employed.

CLASSIFICATION OF MINES.

The same order is observed here, in presenting the statistics of the coal mines of the State, as followed in former reports. The two classes of mines, shipping and local, are shown separately and combined as a total for all mines.

Table 1 shows, in condensed form, by districts, the total number of mines, men and tons, also the same for shipping and local mines. The output of shipping mines was 1,372,891 tons more than last year, while local mines decreased in output 100,940 tons. The mines of the sixth, seventh, eighth, ninth and tenth districts produced 73.3 per cent of the total tonnage of the State.

TABLE 1—*Mines, Men and Tons, all Mines and Shipping and Local Mines by Districts, 1908.*

DISTRICT.	ALL MINES.			SHIPPING.			LOCAL.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First.....	63	6,800	2,980,228	29	6,379	2,768,645	34	421	211,583
Second.....	131	5,802	2,373,935	15	5,134	2,157,151	116	668	216,784
Third.....	103	4,125	2,370,764	26	3,627	2,130,461	77	498	240,303
Fourth.....	146	4,306	2,524,602	37	3,841	2,411,554	109	465	113,048
Fifth.....	47	4,357	2,992,369	18	4,047	2,705,468	29	310	196,901
Sixth.....	71	8,044	5,923,197	46	7,854	5,840,028	25	190	83,169
Seventh.....	75	9,054	7,237,368	37	8,749	7,173,183	38	305	64,185
Eighth.....	112	9,362	8,101,263	75	9,106	7,930,813	37	256	170,450
Ninth.....	67	7,928	6,293,601	56	7,835	6,242,678	11	93	50,923
Tenth.....	107	11,063	8,565,125	68	10,898	8,449,749	39	165	115,376
The State..	922	70,841	49,272,452	407	67,470	47,809,730	515	3,371	1,462,722

Table 2 presents the percentages of the distribution of all mines, men and tons as to districts, also the percentages of the mines, men and tons of the shipping and local mines represented in each district, and the similar percentages for the State.

The shipping mines represent only 44.14 per cent of the whole number in the State, but employed 95.24 per cent of the men and produced 97.03 per cent of the tonnage.

In the ninth district 83.58 per cent of the mines were of the shipping class, employing 98.83 per cent of the men and producing 99.19 per cent of the coal. These are the largest percentages shown for any district.

TABLE 2—*Percentages of Mines, Men and Tons, all Mines, and of Shipping and Local Mines, 1908.*

DISTRICT.	PERCENTAGE.								
	ALL MINES.			SHIPPING.			LOCAL.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First.....	6.83	9.60	6.05	46.03	93.81	92.90	53.97	6.19	7.10
Second.....	14.21	8.19	4.82	11.45	88.49	90.87	88.55	11.51	9.13
Third.....	11.17	5.82	4.82	25.24	87.93	89.86	74.76	12.07	10.14
Fourth.....	15.84	6.08	5.12	25.34	89.20	95.52	74.66	10.80	4.48
Fifth.....	5.10	6.15	5.89	38.30	92.89	93.22	61.70	7.11	6.78
Sixth.....	7.70	11.36	12.02	64.79	97.64	98.60	35.21	2.36	1.40
Seventh.....	8.13	12.79	14.69	49.33	96.63	99.11	50.67	3.37	0.89
Eighth.....	12.15	13.22	16.44	66.96	97.27	97.86	33.04	2.73	2.14
Ninth.....	7.27	11.19	12.77	83.58	98.83	99.19	16.42	1.17	0.81
Tenth.....	11.60	15.60	17.38	63.55	98.51	98.65	36.45	1.49	1.35
The State.....	100.00	100.00	100.00	44.14	95.24	97.03	55.86	4.76	2.97

Table 3 shows by districts, also for the State, the totals of mines, men and tons, for the years 1907 and 1908, with the increase or decrease of each item. The first, second, fourth, fifth and eighth districts show a decrease of thirty-four in the number of mines; the third, seventh and tenth districts give an increase of twenty-three, leaving a net decrease for the State of eleven mines. The fifth district alone accounts for fifty-three per cent of this decrease. The first, second and fifth districts report a decrease in the number of men, all the other districts give an increase. The total increase for the State being 4,127 men. The seventh and tenth districts represent seventy-seven per cent of this increase. The first, second, fifth and eighth districts show a decrease in output compared with last year. The fifth district represents 43.66 per cent of the decrease. The seventh, ninth and tenth districts show large increases in tonnage; however, the increase in output for the State is only three per cent over last year.

TABLE 3—*Mines, Men and Tons for the Years 1907 and 1908, with the Increase or Decrease by Districts.*

DISTRICT.	TOTAL—1907.			TOTAL—1908.			INCREASE (+) OR DECREASE (-) FOR YEAR 1908.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First.....	67	6,950	3,198,049	63	6,800	2,980,228	- 4	+ 150	- 217,821
Second.	139	5,837	2,647,250	131	5,802	2,373,935	- 8	- 35	- 273,315
Third.....	89	3,957	2,213,592	103	4,125	2,370,764	+14	+ 168	+ 157,172
Fourth.....	147	4,045	2,423,166	146	4,306	2,524,602	- 1	+ 261	+ 101,436
Fifth.....	65	4,671	3,317,053	47	4,357	2,902,369	-18	- 314	- 414,684
Sixth.....	71	7,729	5,777,759	71	8,044	5,923,197	.....	+ 315	+ 145,438
Seventh.	73	7,827	6,718,859	75	9,054	7,237,368	+ 2	+1,227	+ 518,509
Eighth.	115	9,343	8,145,200	112	9,362	8,101,263	- 3	+ 19	- 43,937
Ninth.....	67	7,234	5,582,245	67	7,928	6,293,601	.....	+ 694	+ 711,356
Tenth.....	100	9,121	7,775,448	107	11,063	8,565,125	+ 7	+1,942	+ 789,677
The State .	933	66,714	47,798,621	922	70,841	49,272,452	-11	+4,127	+1,473,831

Table 4 gives the total output of coal by districts and for the State, for the past four years, with increase or decrease in tonnage each year since 1905; also the percentage of increase or decrease in tonnage this year compared with that of 1905. Five of the districts, the third, fourth, seventh, ninth and tenth, show a continuous increase in tonnage for the series of years; the seventh district shows an increase in output of 80.1 per cent this year over that of 1905, the tenth district, 70.5 per cent, and ninth district 53.4 per cent. The first and second are the only districts that show a decrease.

TABLE 4—*Total Tons, all Mines, with Increase or Decrease in Tonnage, for Four Years, by Districts.*

DISTRICT.	1908.		1907.		1906.		1905.	Percentage Of Increase (+) or Decrease (—) 1908 from 1905.
	Total Tons	Increase (+) or Decrease (—) from 1907.	Total Tons.	Increase (+) or Decrease (—) from 1906.	Total Tons.	Increase (+) or Decrease (—) from 1905.		
First.....	2,980,228	— 217,821	3,198,049	+ 261,719	2,936,330	— 216,083	3,152,413	— 5.5
Second.....	2,373,935	— 273,315	2,647,250	+ 335,756	2,311,494	— 308,871	2,620,365	— 9.4
Third.....	2,370,764	+ 157,172	2,213,592	+ 344,569	1,869,023	+ 8,695	1,860,328	+27.4
Fourth.....	2,524,602	+ 101,436	2,423,166	+ 396,783	2,026,383	+ 121,379	1,905,004	+32.5
Fifth.....	2,902,369	— 414,684	3,317,053	+1,034,035	2,283,018	— 537,535	2,820,553	+ 2.9
Sixth.....	5,923,197	+ 145,438	5,777,759	+ 617,152	5,160,607	— 92,830	5,253,437	+12.8
Seventh.....	7,237,368	+ 518,509	6,718,859	+1,840,767	4,878,092	+ 859,694	4,018,398	+80.1
Eighth.....	8,101,263	— 43,937	8,145,200	+ 815,107	7,330,093	+ 814,340	6,515,753	+24.3
Ninth.....	6,293,601	+ 711,356	5,582,245	+1,449,606	4,132,639	+ 119,659	4,102,980	+53.4
Tenth.....	8,565,125	+ 789,677	7,775,448	+2,385,546	5,389,902	+ 365,759	5,024,143	+70.5
The State	49,272,452	+1,473,831	47,798,621	+9,481,040	38,317,581	+1,134,107	37,183,374	+32.5

SHIPPING AND LOCAL MINES.

Table 5 presents the totals of mines, men and tons of all mines, with the division as to shipping and local mines, for a period of sixteen years. The number of men reported this year as working in and about the mines of the State is just twofold of the number sixteen years ago. The number of persons employed at the shipping mines has increased during the same time 135 per cent. The number reported at local mines has decreased nearly fifty per cent, while the tons produced by local mines has increased 111 per cent, and the output of shipping mines has increased 148 per cent.

TABLE 5—*All Mines, Men and Tons and Shipping and Local Mines, for Sixteen Years.*

YEAR.	TOTAL.			SHIPPING.			LOCAL.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
1893.....	788	35,390	19,949,564	310	28,737	19,257,682	478	6,653	691,882
1894.....	836	38,477	17,113,576	319	31,243	16,106,613	517	7,234	1,006,963
1895.....	874	38,630	17,735,864	319	31,174	16,578,890	555	7,456	1,156,974
1896.....	862	37,032	19,786,626	330	28,185	18,263,056	532	8,847	1,523,570
1897.....	853	33,788	20,072,758	310	31,322	19,386,573	543	2,466	686,185
1898.....	881	35,026	18,599,299	329	32,297	17,655,561	552	2,729	943,738
1899.....	889	36,991	23,434,445	323	34,307	22,531,356	566	2,684	903,089
1900.....	920	39,384	25,153,929	323	36,298	24,056,996	597	3,086	1,096,933
1901.....	915	44,143	26,635,319	331	40,926	25,526,816	584	3,217	1,108,503
1902.....	915	46,005	30,021,300	332	42,807	28,824,750	583	3,198	1,196,550
1903.....	933	49,814	34,955,400	353	46,494	33,676,537	580	3,320	1,278,863
1904.....	932	54,774	37,077,897	380	51,384	35,779,517	552	3,390	1,298,380
1905.....	990	59,230	37,183,374	397	55,743	35,956,543	593	3,487	1,226,831
1906.....	1,018	62,283	38,317,581	419	58,851	37,122,811	599	3,432	1,194,770
1907.....	933	66,714	47,798,621	411	63,154	46,436,839	522	3,560	1,361,782
1908.....	922	70,841	49,272,452	407	67,470	47,809,730	515	3,371	1,462,722
Increase.....	134	35,451	29,322,888	97	38,733	28,552,048	37	*3,282	770,840
Percentages of increase.....	17.00	100.17	146.98	31.29	134.78	148.26	7.74	*49.33	111.41

*Decrease.

Table 6 shows for sixteen years the whole number of mines, men and tons, with the percentages of each, represented by the shipping and local mines. The percentages of all the items for this year vary but slightly, from that of last year, both for shipping and local mines.

TABLE 6—*Mines, Men and Tons, with Percentages of Shipping and Local Mines for Sixteen Years, 1893-1908.*

YEARS.	TOTALS—ALL MINES.			PERCENTAGES.					
				SHIPPING			LOCAL.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
1893.....	788	35,390	19,949,564	39.34	81.20	96.53	60.66	18.80	3.47
1894.....	886	38,477	17,113,576	38.16	81.20	94.10	61.84	18.80	5.90
1895.....	855	38,630	17,735,864	36.50	80.70	93.48	63.50	19.30	6.52
1896.....	862	37,032	19,786,626	36.62	76.11	96.26	63.38	23.89	3.74
1897.....	853	33,788	20,072,758	36.38	92.72	96.53	63.62	7.28	3.47
1898.....	881	35,026	18,599,299	37.49	92.30	94.93	62.51	7.70	5.07
1899.....	889	36,991	23,434,445	36.33	92.74	96.15	63.67	7.26	3.85
1900.....	920	39,384	25,153,929	35.11	92.16	95.64	64.89	7.84	4.36
1901.....	915	44,143	26,635,319	36.17	92.71	95.84	63.83	7.29	4.16
1902.....	915	46,005	30,021,300	36.28	93.05	96.01	63.72	6.95	3.99
1903.....	933	49,814	34,955,400	37.83	93.34	96.34	62.17	6.66	3.66
1904.....	932	54,774	37,077,897	40.77	93.81	96.50	59.23	6.19	3.50
1905.....	990	59,230	37,183,374	40.10	94.11	96.70	59.90	5.89	3.30
1906.....	1,018	62,283	38,317,581	41.16	94.49	96.88	58.84	5.51	3.12
1907.....	933	66,714	47,798,621	44.05	94.66	97.15	55.95	5.34	2.85
1908.....	922	70,841	49,272,452	44.14	95.24	97.09	55.86	4.76	2.91

GROUPING OF MINES BY OUTPUT.

Table 7 is a grouping of mines by output of coal ranging from mines producing less than 1,000 tons, to mines whose output is 200,000 tons and over.

Dividing this grouping into two classes; first, mines producing 50,000 tons and over; second, mines producing less than 50,000 tons. The first class is represented by 272 or thirty per cent of the mines and had an output of 44,504,789 or ninety per cent of the tonnage; with an average of 163,621 tons to each mine. The second class had 650 or seventy per cent of the mines with an output of 4,767,663 or ten per cent of the tonnage and an average of only 7,335 tons to each mine.

TABLE 7—*Grouping of Mines by Tonnage and Districts, 1908.*

DISTRICTS.	TONNAGE AND MINES PRODUCING—											
	UNDER 1,000		1,000 AND UNDER 10,000		10,000 AND UNDER 50,000		50,000 AND UNDER 100,000		100,000 AND UNDER 200,000		200,000 AND OVER	
	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.	No.	Tons.
First.....	13	5,542	22	71,893	6	199,889	9	619,628	9	1,246,420	4	836,856
Second.....	58	22,461	58	172,638	4	82,171	1	65,404	4	584,946	6	1,446,315
Third.....	35	11,923	35	120,692	21	444,908	4	317,994	5	688,407	3	786,840
Fourth.....	76	25,597	37	97,962	17	369,373	7	551,294	4	571,983	4	908,393
Fifth.....	4	920	19	64,574	11	252,678	3	192,246	5	731,564	5	1,660,387
Sixth.....	14	6,018	9	26,079	11	278,798	16	1,357,544	12	1,707,508	9	2,547,250
Seventh.....	20	10,404	18	53,781	4	167,167	7	520,005	13	2,039,355	13	4,446,656
Eighth.....	12	5,972	21	67,954	39	1,152,448	18	1,229,853	8	1,065,384	14	4,588,652
Ninth.....	3	1,245	7	16,279	20	610,243	13	831,782	14	2,082,096	10	2,751,956
Tenth.....	13	5,345	30	101,384	12	321,325	20	1,453,989	18	2,463,722	14	4,219,360
State.....	248	95,427	256	793,236	146	3,879,000	98	7,130,739	92	13,181,385	82	24,192,665

TABLE 8—*Percentages of Mines, Men and Tons of Specified Classes by Districts, 1908.*

DISTRICTS.	PERCENTAGES OF MINES, MEN, AND TONS—MINES PRODUCING—											
	LESS THAN 10,000 TONS.			10,000 TONS AND LESS THAN 50,000.			50,000 TONS AND LESS THAN 100,000.			100,000 TONS AND OVER.		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
First.....	55.56	5.37	2.60	9.52	8.25	6.71	14.28	23.79	20.79	20.64	62.59	69.90
Second.....	88.54	11.25	8.22	3.07	2.33	3.46	0.76	2.05	2.76	7.63	84.37	85.56
Third.....	67.96	8.89	5.59	20.39	18.47	18.78	3.91	11.58	13.41	7.74	61.69	62.22
Fourth.....	78.08	12.49	4.89	11.64	18.30	14.64	4.80	23.04	21.84	5.48	46.17	58.63
Fifth.....	48.94	3.95	2.26	23.40	10.50	8.71	6.38	7.12	6.62	21.28	78.43	82.41
Sixth.....	32.39	1.26	0.54	15.49	7.51	4.71	22.54	29.36	22.92	29.58	61.87	71.83
Seventh.....	50.67	3.37	0.89	5.33	3.53	2.31	9.33	10.40	7.18	34.67	82.70	89.62
Eighth.....	29.47	2.15	0.91	34.82	18.64	14.23	16.07	16.14	15.07	19.64	63.07	69.79
Ninth.....	14.92	0.59	0.28	29.85	13.42	9.68	19.40	15.40	13.23	35.83	70.59	76.81
Tenth.....	40.19	2.39	1.25	11.21	5.81	3.74	18.69	20.93	16.98	29.91	70.87	78.03
State.....	54.67	4.37	1.84	15.84	10.61	7.87	10.62	16.54	14.45	18.87	68.48	75.84
1907.....	55.96	5.16	1.96	15.54	11.26	8.17	9.75	14.91	13.80	18.75	68.67	76.07

Table 9 shows six classes of mines as to tonnage, giving the number of mines, men and tons in each class, with percentages. Compared with last year very little change is found from the proportions shown here.

TABLE 9—*Classification of Mines as to Tonnage, Showing Mines, Men and Tons, with Percentages, 1908.*

MINES PRODUCING—	Number of Mines.	Number of Men.	Tonnage.	PERCENTAGES OF		
				Mines.	Men.	Tons.
Less than 1,000 tons.....	248	823	95,427	26.90	1.04	0.11
1,000 and less than 10,000.....	256	2313	793,236	27.77	3.27	1.70
10,000 and less than 50,000.....	146	7,495	3,879,000	15.84	10.66	7.87
50,000 and less than 100,000.....	98	11,746	7,130,739	10.63	16.55	14.48
100,000 and less than 200,000.....	92	20,037	13,181,385	9.97	28.46	26.74
200,000 and over.....	82	28,427	24,192,665	8.89	40.02	49.10
Totals.....	922	70,841	49,272,452	100.00	100.00	100.00

Table 10 shows the grouping of mines by tonnage for twenty-six years. The number of mines producing 50,000 tons and more is increasing from year to year. This year shows 272 of this class of mines, against 266 last year and 223 for 1906.

TABLE 10—*Number of Mines in Specified Groups of Tonnage for a Series of Twenty-six Years.*

YEAR.	NUMBER OF MINES PRODUCING—						Total mines.
	Under 1,000 tons.	1,000 and under 10,000 tons.	10,000 and under 50,000 tons.	50,000 and under 100,000 tons.	100,000 and under 200,000 tons.	200,000 tons and over.	
1883.....	209	233	133	39	10	15	639
1884.....	262	273	148	38	16	4	741
1885.....	286	290	143	40	13	6	778
1886.....	316	280	135	44	11	3	789
1887.....	320	278	141	42	18	2	801
1888.....	327	272	151	47	20	5	822
1889.....	321	316	139	55	20	3	854
1890.....	398	301	155	54	24	4	936
1891.....	402	260	161	52	37	6	918
1892.....	332	239	151	65	46	6	839
1893.....	282	232	140	75	47	12	788
1894.....	312	252	161	61	44	6	836
1895.....	319	276	145	61	45	9	855
1896.....	330	280	128	63	45	16	862
1897.....	346	250	120	79	41	17	853
1898.....	351	244	151	86	42	7	881
1899.....	346	261	123	77	57	25	889
1900.....	340	295	123	70	65	27	920
1901.....	313	308	124	79	58	33	915
1902.....	314	263	152	76	72	38	915
1903.....	313	293	120	75	87	45	933
1904.....	301	275	140	72	98	46	932
1905.....	321	299	147	83	88	52	990
1906.....	336	282	167	89	97	47	1,018
1907.....	260	262	145	91	95	80	933
1908.....	248	256	146	98	92	82	922
Increase in 26 years.....	39	23	13	59	82	67	283

Table 11 gives the percentages of the different classes of mines for the whole number shown in table 10. The number of mines producing less than 50,000 tons, during the year shown, has only increased thirteen per cent while the number of mines producing over 50,000 tons has increased 309.4 per cent. This year 70.5 per cent of the mines produced less than 50,000 tons, and 29.5 per cent had an output of over 50,000 tons.

TABLE 11—*Percentages of Mines in Specified Grouping of Tonnage for a Series of Twenty-six Years.*

YEAR.	Total mines.	PERCENTAGES OF MINES PRODUCING—					
		Under 1,000 tons.	1,000 and under 10,000 tons.	10,000 and under 50,000 tons.	50,000 and under 100,000 tons.	100,000 and under 200,000 tons.	200,000 tons and over.
1883.....	639	32.71	36.47	20.81	6.10	1.56	2.35
1884.....	741	35.36	36.84	19.97	5.13	2.16	.54
1885.....	778	36.76	37.27	18.38	5.14	2.32	.13
1886.....	789	40.05	35.49	17.11	5.58	1.39	.38
1887.....	801	39.95	34.71	17.60	5.24	2.25	.25
1888.....	822	39.79	33.09	18.37	5.71	2.43	.61
1889.....	854	37.59	37.00	16.28	6.44	2.34	.35
1890.....	936	42.52	32.16	16.56	5.77	2.56	.43
1891.....	918	43.79	28.32	17.54	5.67	4.03	.65
1892.....	839	39.69	29.44	17.76	7.03	4.89	1.19
1893.....	788	35.91	29.44	16.24	10.92	5.71	1.78
1894.....	836	37.08	29.07	19.62	8.25	5.26	.72
1895.....	855	36.43	33.29	16.65	7.33	5.25	1.05
1896.....	862	38.90	30.66	14.88	8.35	5.61	1.60
1897.....	853	40.56	29.31	14.07	9.26	4.81	1.99
1898.....	881	39.84	27.70	17.14	9.76	4.77	.79
1899.....	889	38.92	29.36	13.84	8.66	6.41	2.81
1900.....	920	36.96	32.07	13.37	7.61	7.06	2.93
1901.....	915	34.21	33.66	13.55	8.63	6.34	3.61
1902.....	915	34.32	28.74	16.61	8.31	7.87	4.15
1903.....	933	33.55	31.40	12.86	8.04	9.33	4.82
1904.....	932	32.30	29.50	15.02	7.73	10.51	4.94
1905.....	990	32.43	30.20	14.85	8.38	8.89	5.25
1906.....	1,018	33.01	27.70	16.40	8.74	9.53	4.62
1907.....	933	27.82	28.08	15.56	9.76	10.20	8.58
1908.....	922	26.90	27.77	15.84	10.63	9.97	8.89
Percentage of increase in 26 yrs.	44.3	18.7	9.9	10.0	151.3	820.0	446.7

Table 12 gives the tonnage of the same classification of mines for a series of seventeen years, with the increase or decrease of each.

TABLE 12—*Grouping of Mines by Tonnage for a Series of Seventeen Years.*

YEAR.	TONNAGE OF MINES PRODUCING—					
	UNDER 1,000 tons.	1,000 AND UNDER 10,000	10,000 AND UNDER 50,000	50,000 AND UNDER 100,000	100,000 AND UNDER 200,000	200,000 AND OVER.
	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
1892.....	147,777	1,058,078	4,134,259	4,293,472	5,855,091	2,373,599
1893.....	121,636	726,199	3,132,499	6,179,487	6,291,965	3,497,778
1894.....	137,507	702,623	4,022,545	4,742,257	6,035,094	1,473,550
1895.....	151,430	866,019	3,609,918	4,416,969	6,346,937	2,344,591
1896.....	141,690	807,148	3,265,822	5,049,694	6,557,545	3,962,435
1897.....	150,445	773,526	3,162,713	5,693,193	5,778,374	4,514,507
1898.....	161,622	692,149	3,785,962	6,351,513	5,898,596	1,709,457
1899.....	137,582	790,948	2,877,117	5,618,924	7,443,023	6,566,851
1900.....	154,318	969,424	3,255,570	5,009,326	8,995,963	6,769,328
1901.....	227,419	838,989	3,393,827	5,795,953	8,008,897	8,370,234
1902.....	161,058	763,597	3,694,890	5,376,350	9,923,538	10,101,867
1903.....	126,678	871,342	3,396,343	5,445,195	12,387,437	12,728,405
1904.....	126,397	934,042	3,602,660	5,200,551	13,763,975	13,480,272
1905.....	129,430	993,394	3,852,565	5,868,103	12,158,090	14,181,792
1906.....	127,232	949,073	5,097,972	6,116,018	13,462,256	12,565,030
1907.....	108,875	827,337	3,907,170	6,600,264	13,376,164	22,978,809
1908.....	95,427	793,236	3,879,000	7,130,739	13,181,385	24,192,665
Increase (+) or decrease (—) in 17 years...	—52,350	—264,842	—255,259	÷2,837,267	÷7,326,294	÷21,819,066

Table 13 gives in the first column, the total number of tons of coal produced for each of the seventeen years, with the percentages of tons found in each of the six classes of mines. The two classes of mines producing 100,000 tons and more, account this year, for seventy-six per cent of the total output. The same proportion is shown for last year.

TABLE 13—*Percentages of Tons Produced by Specified Grouping of Tonnage for Seventeen Years.*

YEARS.	Total tons	PERCENTAGE OF TONS PRODUCED BY MINES PRODUCING—					
		Under 1,000 tons.	1,000 and under 10,000 tons.	10,000 and under 50,000 tons.	50,000 and under 100,000 tons.	100,000 and under 200,000 tons.	200,000 tons and over.
1892.....	17,862,276	.82	5.92	23.15	24.04	32.78	13.29
1893.....	19,949,564	.61	3.64	15.70	30.98	31.54	17.53
1894.....	17,113,576	.80	4.11	23.50	27.71	35.26	8.61
1895.....	17,735,864	.85	4.88	20.35	24.91	35.79	13.22
1896.....	19,786,626	.72	4.08	16.51	25.52	33.14	20.03
1897.....	20,072,758	.75	3.85	15.75	28.37	28.79	22.49
1898.....	18,599,299	.87	3.72	20.36	34.15	31.71	9.19
1899.....	23,434,445	.59	3.98	12.28	23.97	31.76	28.02
1900.....	25,153,929	.61	3.86	12.94	19.92	35.76	26.91
1901.....	26,635,319	.85	3.15	12.74	21.76	30.07	31.43
1902.....	30,021,300	.54	2.54	12.31	17.90	33.06	33.65
1903.....	34,955,400	.36	2.49	9.72	15.58	35.44	36.41
1904.....	37,077,897	.34	2.52	9.72	14.03	37.09	36.30
1905.....	37,183,374	.35	2.67	10.36	15.78	32.70	38.14
1906.....	38,317,581	.33	2.48	13.31	15.96	35.13	32.79
1907.....	47,798,621	0.23	1.73	8.17	13.81	27.98	48.08
1908.....	49,272,452	0.11	1.70	7.87	14.48	26.75	49.10
Percentage of increase(+) or decrease (-) in 17 years.....	+175.85	-35.42	-25.03	-6.17	+66.08	+142.21	+919.22

MINES OF LARGEST OUTPUT. . .

Table 14 gives a list of ninety-two operators and the location of the mines, with the output of each, for the year, being 100,000 tons and less than 200,000. The total product of these mines was 13,181,385 tons, giving an average to each of 143,276 tons.

TABLE 14—*Mines from which more than 100,000 Tons of Coal and less than 200,000 Tons have been Delivered during the Year 1908.*

Rank.	Companies.	Location.	Tons.
1	Consolidated Coal Co., No 8.....	Mt Olive.....	199,222
2	Latham Coal Co.....	Lincoln.....	199,020
3	Pana Coal Co., No 1.....	Pana.....	197,281
4	Muddy Valley Mining & Mfg. Co., No. 1.....	Hallidayboro.....	194,943
5	LaSalle County Carbon Coal Co., No. 1.....	LaSalle.....	194,122
6	O'Gara Coal Co., No. 4.....	Harrisburg.....	193,664
7	Pana Coal Co., No 1.....	Pana.....	193,628
8	St. Louis-Carterville Coal Co.....	Herrin.....	192,710
9	Breese-Trenton Mining Co., Buxton.....	Beckemeyer.....	191,494
10	Odin Coal Co., No. 1.....	Odin.....	190,642
11	Clark Coal & Coke Co., Empire No. 1.....	Peoria.....	189,215
12	Capitol Coal Co., Capitol.....	Springfield.....	185,475
13	Kelley Coal Co., No. 45.....	Westville.....	184,404
14	Madison Coal Corporation, No. 5.....	Mt. Olive.....	183,056
15	Kelley Coal Co., No. 42.....	Westville.....	180,965
16	Centralia Coal Co., No. 3.....	Centralia.....	180,471
17	Spring Valley Coal Co., No. 2.....	Spring Valley.....	179,229
18	Canton Coal Co., Drakes.....	Canton.....	177,812
19	Co-operative Coal & Mining Co., No. 1.....	Breese.....	176,805
20	Clark Coal & Coke Co., Empire No. 2.....	Peoria.....	176,697
21	United Coal Co., No. 1.....	Christopher.....	175,113
22	Kortkamp Coal Co., No. 1.....	Hillsboro.....	173,458
23	Willis Coal & Mining Co., No. 1.....	Willisville.....	166,070
24	Vivian Collieries Co., Green Ridge.....	Green Ridge.....	164,897
25	DeCamp Coal Mining Co.....	Staunton.....	164,758
26	Burnwell Coal Co., No. 2.....	Witt.....	163,906
27	O'Gara Coal Co., No. 10.....	Eldorado.....	161,783
28	O'Gara Coal Co., No. 7.....	Carrier Mills.....	161,698
29	Sangamon Coal Co., No. 2.....	Springfield.....	161,334
30	Chicago, Wilmington & Vermillion Coal Co., No. 2.....	Streator.....	159,552
31	Chicago-Springfield Coal Co.....	Springfield.....	159,450

Table 14—Continued.

Rank.	Companies.	Location	Tons .
32	Zeigler District Collieries Co., No. 1.....	Christopher.....	150,510
33	Superior Coal & Mining Co.....	Belleville.....	153,797
34	Duquoin Operating Co., Queen.....	Clinch.....	151,426
35	Kelley Coal Co., No. 46.....	Hinrod.....	148,833
36	Maplewood Coal Co., No. 1.....	Farmington.....	148,434
37	Empire Coal Co., No. 3.....	Gilchrist.....	147,403
38	O'Gara Coal Co., No. 14.....	Ledford.....	147,323
39	Big Four Wilmington Coal Co., No. 6.....	Carbon Hill.....	146,051
40	LaSalle County Carbon Coal Co., Union.....	LaSalle.....	145,809
41	Springfield Coal Mining Co., No. 4.....	Springfield.....	144,880
42	Stonington Coal Co., No. 1.....	Stonington.....	142,894
43	Tuxhorn Coal Co., Tuxhorn.....	Springfield.....	142,666
44	Smith Lohr Coal Co., No. 1.....	Pana.....	142,283
45	Acme Coal Co., Acme.....	Streator.....	141,861
46	Saline County Coal Co., No. 1.....	Harrisburg.....	140,966
47	Springfield Coal Mining Co., No. 1.....	Riverton.....	140,621
48	Norris Coal Mining Co., Norris.....	Norris.....	137,544
49	Peabody Coal Co., No. 2.....	Marion.....	137,230
50	Joseph Taylor Coal Co., Taylor.....	O'Fallon.....	135,300
51	Spring Valley Coal Mining Co., No. 3.....	Spring Valley.....	134,507
52	Bessemer Washed Coal Co., White Walnut.....	Pinckneyville.....	133,325
53	Cora Coal Co., Cora.....	Springfield.....	132,950
54	Consolidated Coal Co., No. 10.....	Mt. Olive.....	132,116
55	Kerns-Donnewald Coal Co.....	Worden.....	131,988
56	Joseph Taylor Coal Co., St. Ellans.....	O'Fallon.....	131,500
57	Trenton Mining Co., No. 1.....	Trenton.....	127,369
58	Penwell Coal Mining Co., Penwell.....	Pana.....	126,808
59	Mattheson & Hagler Zinc Co., M. & H.....	LaSalle.....	125,912
60	O'Gara Coal Co., No. 8.....	Eldorado.....	125,678
61	Southern Coal & Mining Co., No. 7.....	Belleville.....	124,410
62	O'Gara Coal Co., No. 12.....	Harrisburg.....	124,055
63	Marquette Third Vein Coal Co., No. 1.....	Marquette.....	123,807
64	Big Four-Wilmington Coal Co., No. 5.....	Carbon Hill.....	120,018
65	O'Gara Coal Co., No. 2.....	Harrisburg.....	119,616
66	Citizens Coal Mining Co., No. 1.....	Lincoln.....	119,240
67	Joseph Taylor Coal Co., Ridge Prairie.....	O'Fallon.....	118,700
68	B. F. Berry Coal Co., No. 1.....	Granville.....	117,916
69	W. P. Rend Collieries Co., No. 1.....	Benton.....	113,831

Table 14—Concluded.

Rank.	Companies.	Location.	Tons.
70	O' Gara Coal Co., No. 5.....	Ledford.....	112,821
71	Wasson Coal Co., No. 1.....	Harrisburg.....	112,290
72	Franklin County Collieries Co., No. 1.....	Sesser.....	111,532
73	Carterville & Big Muddy Coal Co., John.....	Cambria.....	111,347
74	Illinois Collieries Co., No. 5.....	Girard.....	110,898
75	Springfield Coal Mining Co., No. 3.....	Springfield.....	110,480
76	Williamson County Coal Co.....	Johnston City.....	109,959
77	Big Muddy Coal & Iron Co., Harrison.....	Murphysboro.....	109,176
78	Consolidated Coal Co., No. 7.....	Staunton.....	108,908
79	Springfield Cooperative Co., New North.....	Springfield.....	108,800
80	Manufacturers & Consumers Coal Co., No. 7.....	Decatur.....	108,694
81	E. S. Gray Coal Co., No. 4.....	Oakwood.....	108,668
82	Big Creek Coal Co., No. 3.....	Cuba.....	108,193
83	Hafer Washed Coal Co., No. 3.....	Carterville.....	107,298
84	Moffat Coal Co., No. 1.....	Sparta.....	106,579
85	Wilmington Star Mining Co., No. 6.....	Coal City.....	106,247
86	LaSalle County Carbon Coal Co., LaSalle.....	LaSalle.....	106,848
87	Lumaghi Coal Co., No. 3.....	Collinsville.....	104,931
88	Wenona Coal Co., No. 1.....	Wenona.....	104,176
89	Barclay Coal Mining Co., Barclay.....	Springfield.....	102,592
90	Consumers Coal & Mining Co., No. 2.....	Johnston City.....	101,165
91	Missouri & Illinois Coal Co., No. 1.....	Willisville.....	100,929
92	Roanoke Coal Co., No. 1.....	Pekin.....	100,403
	Total tons.....		13,181,885

Table 15 is a list of eighty-two operators, and the location of their mines; each of which had an output of more than 200,000 tons. In addition, the number of days of active operation is given; the depth of the coal below the surface, the thickness of the several seams, and the manner of mining the coal.

The total output of these mines for the year was 24,192,665 tons, or, 49.1 per cent of the total output of the State. The average to each mine is 295,033 tons. In this list there are three classes of mines, working under different methods, viz., machine mining exclusively, hand mining exclusively, and both hand and machine mining. There are twenty-six machine mines producing an average of 359,312 tons, or 38.6 per cent of the total; forty-eight hand mines producing an average of 259,469 tons or 51.5 per cent, and eight mines, both hand and machine, with an average of 299,381 tons, or 9.9 per cent. These mines averaged 213 days,

which gives an average daily output to each mine of 1,362 tons. Five of the mines in this list produced over 500,000 tons, seven over 400,000 and sixteen over 300,000.

TABLE 15—*Mines from which more than 200,000 Tons of Coal have been Delivered during the Year 1908.*

Rank.	Companies.	Location.	Days in operation.	Depth of mine.	Thickness of seam ft. and ins.	How worked hand, machine.	Tons.
1	Superior Coal Co., No. 1.....	Gillespie.....	217	348	8	M	566,670
2	Superior Coal Co., No. 2.....	Sawyer ville.....	202	324	8	M	554,923
3	New Staunton Coal Co.....	Livingston.....	208	287	6.6	M	530,159
4	Zeigler Coal Co., No. 1.....	Zeigler.....	272	417	12	M	522,722
5	Superior Coal Co., No. 3.....	Gillespie.....	228	350	8	M	509,927
6	Consolidated Coal Co., No. 17.....	Collinsville.....	209	218	6	M	440,666
7	Donk Bros. Coal & Coke Co., No. 1.....	Donkville.....	244	135	7	M	440,613
8	Kelley Coal Co., No. 44.....	Westville.....	235	90	7	H	430,626
9	Mt. Olive & Staunton Coal Co., No. 2.....	Williamson.....	117	300	7	M	417,528
10	Big Muddy Coal & Iron Co., No. 8.....	Clifford.....	243	180	9	M	413,709
11	Big Muddy Coal & Iron Co., No. 7.....	Herrin.....	230	140	9	H	412,495
12	Chicago & Carterville Coal Co., "A".....	do.....	233	180	9	H-M	409,147
13	Sunny Side Coal Co., No. 1.....	do.....	219	145	9	H-M	397,525
14	Dering Coal Co., No. 2.....	Westville.....	260	215	7	H	380,187
15	St. Louis & O'Fallon Coal Co., No. 2.....	Belleville.....	195	197	6	M	378,409
16	Chicago, Wil. & Ver. Coal Co., No. 1.....	Thayer.....	182	292	7.11	M	368,548
17	Consolidated Coal Co., No. 14.....	Staunton.....	218	325	7	M	365,927
18	Peabody Coal Co., No. 3.....	Marion.....	219	102	9	H-M	352,475
19	Donk Bros. Coal & Coke Co., No. 2.....	Maryville.....	189	245	7	M	351,995
20	Royal Coal Co., No. 1.....	Virden.....	186	350	6.6	H	337,680
21	Madison Coal Corporation, No. 6.....	Divernon.....	179	318	8	M	335,789
22	Southern Coal & Mining Co., No. 9.....	New Baden.....	210	324	7	M	333,912
23	Little Vermillion Coal Co., No. 7.....	Georgetown.....	242	180	7	H-M	330,342
24	Johnston City Coal Co., No. 1.....	Johnston City.....	240	208	9	H	326,829
25	Mt. Olive & Staunton Coal Co., No. 1.....	Staunton.....	200	292	7	M	325,254
26	Consolidated Coal Co., No. 15.....	Mt. Olive.....	184	362	8	M	320,066
27	Dering Coal Co., No. 3.....	Westville.....	255	187	7	H	317,289
28	Illinois Midland Coal Co., Sherman.....	Sherman.....	218	201	6	H	302,305
29	Illinois Midland Coal Co., Victor.....	Pawnee.....	188	325	7.6	H	296,527
30	St. Paul Coal Co., No. 2.....	Cherry.....	252	317	5	H	295,182
31	Shoal Creek Coal Co., No. 7.....	Panama.....	212	.....	8	H	293,127
32	Centralia Coal Co., No. 2.....	Centralia.....	239	576	6	H	288,753
33	St. Paul Coal Co., No. 1.....	Granville.....	500	253	4	H	285,220

Table 15—Continued.

Rank.	Companies.	Location.	Days in operation.	Depth of mine.	Thickness of seam ft. and ins.	How worked hand, machine.	Tons.
34	Devlin Coal Co., No. 1.....	Toluca.....	246	512	2 9	H	284,839
35	St. Louis & O'Fallon Coal Co., No. 1.....	Belleville.....	147	100	6	H	278,817
36	O'Gara Coal Co., No. 9.....	Harrisburg.....	223	400	6	M	277,409
37	Springfield Coal Co., No. 6.....	Taylorville.....	214	460	8	H	274,337
38	Woodside Coal Co., Woodside.....	Springfield.....	257	250	5 9	H	267,276
39	Spring Valley Coal Co., No. 1.....	Spring Valley....	204	339	3 6	H	265,972
40	Hillsboro Coal Co., Hillsboro.....	Hillsboro.....	240	440	7	M	264,499
41	Springfield Coal Mining Co., No. 5.....	Springfield.....	214	250	5 9	H	264,115
42	Prairie Coal Co.....	Belleville.....	220	200	7	H	261,970
43	Maplewood Coal Co., No. 2.....	Farmington.....	220	140	4 4	H	261,478
44	Burnwell Coal Co., No. 1.....	Witt.....	190	500	8	H	258,527
45	Springfield Coal Co.....	Springfield.....	249	280	5 9	H	257,174
46	Christian County Coal Co., No. 1.....	Taylorville.....	162	462	8	H	256,882
47	Black Diamond Coal Co., B. D.....	Auburn.....	237	270	7 6	H	253,621
48	Lumaghi Coal Co., No. 2.....	Collinsville.....	152	170	7	M	253,341
49	Centralia Coal Co., No. 4.....	Centralia.....	239	635	6	H	252,659
50	Dering Coal Co., No. 11.....	W. Frankfort....	239	500	9	H-M	251,400
51	Chicago-Big Muddy Coal Co.....	Marion.....	208	81	9	H	250,858
52	Carterville Dist. Coal Co.....	Marion.....	215	94	9	M	250,500
53	Majestic Coal Co., No. 1.....	Clinch.....	168	400	9	H	245,513
54	O'Gara Coal Co., No. 3.....	Harrisburg.....	237	200	6	H-M	243,233
55	Donk Bros. Coal & Coke Co., No. 3.....	Troy.....	192	280	5	H	241,274
56	Western Coal & Mining Co.....	Bush.....	237	185	9	H	238,619
57	Breese-Trenton Mining Co., No. 1.....	Breese.....	243	400	6	H	238,246
58	Consolidated Coal Co., No. 6.....	Staunton.....	231	322	7 6	M	235,218
59	Southern Coal & Mining Co., No. 8.....	Belleville.....	223	200	7	M	233,736
60	Illinois 3rd Vein Coal Co., No. 1.....	Ladd.....	231	468	3 6	H	229,816
61	Madison Coal Corporation, No. 4.....	Glen Carbon....	181	130	7	M	225,492
62	Big Creek Coal Co., No. 2.....	St. David.....	225	45	5	H	221,521
63	Spring Valley Coal Co., No. 4.....	Spring Valley....	186	393	3 6	H	221,490
64	Big Creek Coal Co., No. 4.....	Dunfermline....	230	90	5	H	218,647
65	Coal Valley Mining Co., No. 2.....	Sherrard.....	251	212	3 6	H	217,280
66	Carterville Coal Co., "C".....	Carterville.....	178	90	9	H	217,134
67	Cardiff Coal Co.....	Cardiff.....	214	255	3	H	216,781
68	Willis Coal & Mining Co., No. 6.....	Percy.....	236	70	6	M	216,701
69	Spring Valley Coal Co., No. 5.....	Spring Valley....	184	421	3 6	H	216,575
70	Chicago, Wil. & Ver. Coal Co., No. 2.....	S. Wilimington..	240	195	3 3	H	216,016

Table 16 gives the number of mines and tonnage of the large mines of the State, divided into three classes, with the total number of mines and tons of these classes, for a series of thirteen years.

Considering the totals of the three classes for the years shown the number of mines increased 148 or 119.4 per cent, the tons produced increased 28,935,150 or 185.8 per cent. In 1896, the first year shown in the table, these mines represented 14.4 per cent of all mines in the State, but produced 78.6 per cent of the coal. This year these mines stand for 28.5 per cent of all mines, and produced 90.3 per cent of the total output.

TABLE 16—*Mines and Output Producing 50,000 Tons and less than 100,000—100,000 Tons and less than 200,000, and 200,000 Tons and more, with total Mines and Tons, for 13 Years.*

YEAR.	MINES PRODUCING—						TOTALS.	
	50,000 tons and less than 100,000.		100,000 tons and less than 200,000.		More than 200,000.			
	No. of mines.	Tons.	No. of mines.	Tons.	No. of mines.	Tons.	No. of mines.	Total Tons.
1896.....	63	5,049,694	45	6,557,545	16	3,962,435	124	15,569,674
1897.....	79	5,693,193	41	5,778,374	17	4,514,507	137	15,986,074
1898.....	86	6,351,513	42	5,898,596	7	1,709,457	135	13,959,566
1899.....	77	5,618,924	57	7,443,023	25	6,566,851	159	19,623,798
1900.....	70	5,009,326	65	8,995,963	27	6,769,328	162	20,774,617
1901.....	79	5,795,953	58	8,008,897	33	8,370,234	170	22,175,084
1902.....	76	5,376,350	72	9,923,538	38	10,101,867	186	25,401,755
1903.....	75	5,445,195	87	12,387,437	45	12,728,405	207	30,561,037
1904.....	72	5,200,551	98	13,763,975	46	13,460,272	216	32,424,798
1905.....	83	5,868,103	88	12,158,090	52	14,181,792	223	32,207,985
1906.....	89	6,116,018	97	13,462,256	47	12,565,030	233	32,143,304
1907.....	91	6,600,264	95	13,376,164	80	22,978,809	266	42,955,237
1908.....	98	7,130,739	92	13,181,385	82	24,192,665	272	44,504,789

NUMBER OF MINES.

Table 16 shows the number of mines reported by districts for the year, the number of new mines opened and the number closed, also the gain or loss. The third, seventh and tenth districts, show a total gain of twenty-three mines. Five of the other districts report a loss of thirty-four mines, leaving a net loss of eleven mines. The sixth and ninth districts show an equal number of new and abandoned mines.

TABLE 17—*Gain and Loss in Number of Mines, 1907-1908.*

DISTRICTS.	Total number of mines, 1907.	Number new mines opened, 1908.	Total.	Number of mines abandoned, 1908.	Total number of mines, 1908.	YEAR 1908.	
						Gain.	Loss.
First.....	67	6	73	10	63	.....	4
Second.....	139	18	157	26	131	.....	8
Third.....	89	22	111	8	103	14	.....
Fourth.....	147	13	160	14	146	.....	1
Fifth.....	65	3	68	21	47	.....	18
Sixth.....	71	3	74	3	71	.....	.....
Seventh.....	73	6	79	4	75	2	.....
Eighth.....	115	4	119	7	112	.....	3
Ninth.....	67	5	72	5	67	.....	.....
Tenth.....	100	17	117	10	107	7	.....
The State.....	933	97	1,030	108	922	23	34

Table 18 gives the record of new and abandoned mines for a series of nineteen years, showing a net gain of sixty-eight mines during that period.

TABLE 18—*Total Number of Mines, the Number Opened and Closed; also the Gain and Loss for Nineteen Years.*

YEAR.	NUMBER OF MINES.					
	At beginning of year.	Opened or renewed.	Closed or suspended.	Gain.	Loss.	At close of year.
1890.....	854	176	94	82	.....	936
1891.....	936	92	110	.....	18	918
1892.....	918	59	138	.....	79	839
1893.....	839	69	120	.....	51	788
1894.....	788	156	108	48	.....	836
1895.....	836	116	78	38	.....	874
1896.....	874	142	115	27	.....	901
1897.....	901	70	118	.....	48	853
1898.....	853	120	92	28	.....	881
1899.....	881	129	121	8	.....	889
1900.....	889	147	116	31	.....	920
1901.....	920	138	143	.....	5	915
1902.....	915	111	111	.....	.....	915
1903.....	915	109	91	18	.....	933
1904.....	933	109	110	.....	1	932
1905.....	932	168	110	58	.....	990
1906.....	990	151	123	28	.....	1,018
1907.....	1,018	88	173	10	95	933
1908.....	933	97	108	23	34	922
Totals.....	.....	2,247	2,179	399	331	.....

SHIPPING MINES.

Table 19 shows the record of the opening and closing of shipping mines for a series of eighteen years. There were sixteen of this class of mines opened or renewed during this year, and twenty closed or suspended, leaving a net loss of four mines. There has been a net gain of ninety-nine in the number of these mines during the period of years shown.

TABLE 19—*Shipping Mines—Number Opened and Closed; also the Gain and Loss for Eighteen Years.*

YEAR.	NUMBER OF MINES.					
	At beginning of year.	Opened or renewed.	Closed or suspended.	Gain.	Loss.	At close of year.
1891.....	308	.....	.....	.....	.....	308
1892.....	308	.....	9	.....	9	299
1893.....	299	2	.....	2	.....	301
1894.....	301	18	.....	18	.....	319
1895.....	319	.....	.....	.....	.....	319
1896.....	319	3	.....	3	.....	322
1897.....	322	.....	12	.....	12	310
1898.....	310	19	.....	19	.....	329
1899.....	329	.....	8	.....	8	321
1900.....	321	2	.....	2	.....	323
1901.....	323	8	.....	8	.....	331
1902.....	331	1	.....	1	.....	332
1903.....	332	21	.....	21	.....	353
1904.....	353	27	.....	27	.....	380
1905.....	380	17	.....	17	.....	397
1906.....	397	22	.....	22	.....	419
1907.....	419	.....	8	.....	8	411
1908.....	411	16	20	.....	4	407
Totals.....	.....	156	57	140	41	.....

Table 20 gives by districts, the number of shipping mines in the State for thirteen years, with the gain or loss by years, and by districts; also the gain and loss by districts this year compared with 1907. For the years shown in the table, six districts show a gain of ninety-nine mines, while four districts give a loss of twenty-two mines, leaving the net gain of seventy-seven mines. For this year, the fourth, seventh and tenth districts show a total gain of eleven mines, while five of the districts give a loss of fifteen of this class of mines, giving a net loss of four mines.

TABLE 20—*Number of Shipping Mines, by Districts, with Gain or Loss for Thirteen Years.*

YEAR.	DISTRICTS.										Total.	Gain.	Loss.
	First.	Second.	Third.	Fourth.	Fifth.	Sixth.	Seventh.	Eighth.	Ninth.	Tenth.			
1896.....	31	19	37	31	23	39	25	65	41	19	330	.....	.....
1897.....	28	17	36	24	22	34	25	63	40	21	310	.....	20
1898.....	32	18	37	26	25	33	27	62	43	26	329	19	.....
1899.....	30	17	35	30	21	34	26	60	43	26	322	.....	7
1900.....	35	16	38	29	19	36	24	61	39	26	323	1	.....
1901.....	32	22	33	29	18	38	25	66	39	29	331	8	.....
1902.....	28	21	32	28	21	39	25	69	39	30	332	1	.....
1903.....	28	20	31	26	28	40	27	71	45	37	353	21	.....
1904.....	35	23	31	32	27	43	32	72	44	41	380	27	.....
1905.....	35	23	31	30	27	46	32	78	51	44	397	17	.....
1906.....	34	22	29	33	26	49	36	78	52	60	419	22	.....
1907.....	30	16	31	33	22	46	36	78	57	62	411	.....	8
1908.....	29	15	26	37	18	46	37	75	56	68	407	.....	4
Gain 13 years.....	.....	.....	.....	6	.....	7	12	10	15	49	99	116	39
Loss 13 years.....	2	4	11	.....	5	.....	.....	.....	.....	.....	22	.....	.....
Net gain 13 years.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	77	.....	.....
Gain over 1907.....	.....	.....	.....	4	.....	.....	1	.....	.....	6	411	11	.....
Loss from 1907.....	1	1	5	.....	4	.....	.....	3	1	.....	407	.....	15
Net loss.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	.....	.....

Table 21 gives the record of the number of mines, men and tons for shipping mines by counties and by districts, for the year 1907 and 1908, with the gain or loss for each of the items shown.

For the State there was a loss of four in the number of this class of mines; however, there was a gain of 4,316 in the number of men employed, also a gain of 1,372,891 in the number of tons produced.

TABLE 21.—*Shipping Mines—Number of Mines, Men and Tons by Counties and Districts, with the Gain or Loss, for the Years 1907 and 1908.*

DISTRICTS AND COUNTIES.	1907			1908			GAIN (+) OR LOSS (—) 1908		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
The State.....	411	63,154	46,436,839	407	67,470	47,809,730	—4	+4,316	+1,372,891
First.....	30	6,510	2,979,910	29	6,379	2,768,645	—1	—131	—211,165
Grundy.....	10	2,618	1,296,177	9	2,438	1,146,924	—1	—180	—149,253
Kankakee.....	1	85	37,828	1	52	17,801	.....	—33	—20,027
LaSalle.....	16	3,331	1,463,995	16	3,435	1,447,406	.....	+104	—16,589
Will.....	3	476	181,910	3	454	156,514	.....	—22	—25,396
Second.....	16	5,154	2,415,920	15	5,134	2,157,151	—1	—20	—258,769
Bureau.....	8	4,237	1,868,148	8	4,359	1,666,578	.....	+122	—201,570
Henry.....	3	194	101,041	3	168	81,959	.....	—26	—19,082
Mercer.....	4	701	433,144	3	585	394,353	—1	—116	—38,791
Rock Island....	1	22	13,587	1	22	14,261	.....	.....	+674
Third.....	31	3,496	2,043,203	26	3,627	2,130,461	—5	+131	+87,258
Livingston.....	3	484	237,353	2	354	239,335	—1	—130	+1,982
Marshall.....	4	919	464,919	3	907	402,730	—1	—12	—62,189
Peoria.....	18	1,124	912,353	17	1,222	922,120	—1	+98	+9,767
Putnam.....	2	559	268,710	2	724	403,136	.....	+165	+134,426
Stark.....	2	22	9,125	.....	.....	.....	—2	—22	—9,125
Woodford.....	2	388	150,743	2	420	163,140	.....	+32	+12,397
Fourth.....	33	3,474	2,296,063	37	3,841	2,411,554	+4	+367	+115,491
Fulton.....	24	2,819	1,941,115	27	3,146	2,081,055	+3	+327	+139,940
Hancock.....	1	14	8,400	1	9	4,250	.....	—5	—4,150
McDonough. ...	1	46	19,573	1	44	11,864	.....	—2	—7,709
McLean.....	2	306	154,943	2	304	122,416	.....	—2	—32,527
Tazewell.....	5	289	172,032	6	338	191,969	+1	+49	+19,937
Fifth.....	22	4,309	3,096,833	18	4,047	2,705,468	—4	—262	—391,365
Macon.....	5	534	296,329	4	443	237,636	—1	—91	—58,693
Vermilion.....	17	3,775	2,800,504	14	3,604	2,467,832	—3	—171	—332,672

Table 21—Concluded.

DISTRICTS. AND COUNTIES.	1907			1908			GAIN (+) OR LOSS (—) 1908		
	Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
Sixth.....	46	7,554	5,693,211	46	7,854	5,840,028	.....	+300	+146,817
Logan.....	4	677	478,015	4	761	430,010	.....	+84	—48,005
Menard.....	7	612	386,051	8	630	370,684	+1	+18	—15,367
Sangamon.....	35	6,265	4,829,145	34	6,463	5,039,334	—1	+198	+210,189
Seventh.....	36	7,515	6,657,746	37	8,749	7,173,183	+1	+1,234	+515,437
Christian.....	8	1,662	1,235,566	8	1,837	1,423,323	.....	+175	+187,757
Macoupin.....	18	4,457	4,216,406	18	4,972	4,210,986	.....	+515	—5,420
Montgomery....	8	1,159	1,073,708	9	1,670	1,380,668	+1	+511	+306,960
Shelby.....	2	237	132,066	2	270	158,206	.....	+33	+26,140
Eighth.....	78	9,053	7,991,535	75	9,106	7,930,813	—3	+53	—60,722
Bond.....	2	239	136,967	3	250	103,518	+1	+11	—33,449
Madison.....	16	3,847	3,527,200	16	3,924	3,547,083	.....	+77	+19,883
St Clair.....	60	4,967	4,327,368	56	4,932	4,280,212	—4	—35	—47,156
Ninth.....	57	7,181	5,563,602	56	7,835	6,242,678	—1	+654	+679,076
Clinton.....	7	1,350	1,061,410	7	1,488	1,152,670	.....	+138	+91,260
Franklin.....	8	1,342	863,165	10	1,918	1,678,195	+2	+576	+815,030
Jefferson.....	1	48	10,000	.....	.....	.....	—1	—48	—10,000
Marion.....	6	1,184	1,080,283	5	1,179	954,925	—1	—5	—125,358
Perry.....	22	2,223	1,737,079	21	2,168	1,605,125	—1	—55	—131,954
Randolph.....	10	888	735,654	10	920	56,735	.....	+32	—21,081
Washington....	2	132	68,768	2	126	75,548	.....	—6	+6,780
White.....	1	14	7,243	1	36	19,480	.....	+22	+12,237
Tenth.....	62	8,908	7,698,816	68	10,895	8,449,749	+6	+1,990	+750,933
Gallatin.....	2	104	68,928	1	81	52,544	—1	—23	—16,384
Jackson.....	10	1,180	685,733	11	1,114	616,238	+1	—66	—69,495
Saline.....	18	2,067	1,707,717	20	3,427	2,465,602	+2	+1,360	+757,885
Williamson.....	32	5,557	5,236,438	36	6,276	5,315,365	+4	+719	+78,927

Table 22 is a list of the 407 shipping mines, with the names of the operators, the number and location of the mines managed by each, the total output of the mines at each location, with the distribution of the products. The totals of each item are shown in the first line at the head of the table.

The total output of this class of mines is over ninety-seven per cent of the total output of all mines in the State. The tons loaded on cars at the mines for shipment was 91.1 per cent of the total output, leaving 8.9 per cent disposed to locomotives at the mines, sold to local trade and used for all purposes at the mines.

The Consolidated Coal Company which has held first place in this classification for many years is displaced this year, by the O'Gara Coal Company, with fourteen mines having an output of 2,120,141 tons.

Eight of these owners or operators control fifty-one or 12.5 per cent of this class of mines, each showing an output of over one million tons, the aggregate of which 23.7 per cent of the total of the 407 mines. These same companies shipped from their mines ninety-four per cent of their product, equaling 24.4 per cent of the total shipped by all mines.

TABLE 22—*Shipping or Commercial Collieries—Distribution of Output for Year 1908*

No. of operators.	NAME OF OPERATOR.	Number of mines.	Location of mine—postoffice.	Total output all grades—tons.	DISTRIBUTION OF OUTPUT—TONS.			
					Loaded on cars at mine for shipment	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at mine.
	All shipping mines..	407	.....	47,809,730	43,558,055	1,003,860	1,302,901	1,944,914
1	O'Gara Coal Co.....	14	.....	2,120,141	2,026,138	31,497	21,825	40,681
	..do.....	7	Harrisburg.....	1,265,155	1,199,338	31,497	12,921	21,399
	..do.....	3	Eldorado.....	349,126	334,377	.....	5,711	9,038
	..do.....	2	Ledford.....	260,144	255,130	.....	803	4,211
	..do.....	1	Carrier Mills, ...	161,698	157,542	.....	1,653	2,503
	..do.....	1	Springfield.....	84,018	79,751	.....	737	3,530
2	Consolidated Coal Co. ...	10	.....	1,986,882	1,752,378	36,926	13,130	184,448
	..do.....	3	Staunton.....	710,053	596,922	36,926	62,43	69,992
	..do.....	3	Mt. Olive.....	651,404	580,211	.....	3,607	58,586
	..do.....	2	Collinsville.....	529,632	489,250	.....	.....	49,382
	..do.....	1	Breese.....	58,242	53,777	.....	848	3,617
	..do.....	1	Gillespie.....	37,551	32,218	.....	2,432	2,901

Table 22—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Location of mine—postoffice.	Total output all grades—tons.	DISTRIBUTION OF OUTPUT—TONS.			
					Loaded on cars at mine for shipment.	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at mine.
3	Superior Coal Co.	3	.....	1,631,520	1,574,981	.....	492	56,047
	..do.	2	Gillespie.	1,076,597	1,036,467	.....	384	39,746
	..do.	1	Sawyer ville.	554,923	538,514	.....	108	16,301
4	Madison Coal Co.	6	.....	1,263,562	1,165,801	20,030	9,710	68,521
	..do.	2	Glen Carbon.	434,880	413,060	510	3,352	17,958
	..do.	1	Divernon.	335,799	322,161	.....	3,798	9,840
	..do.	1	Dewmaine.	213,826	181,708	816	1,423	29,879
	..do.	1	Mt. Olive.	183,056	155,057	18,704	675	8,620
	..do.	1	Cambria.	96,001	93,315	.....	462	2,224
5	Dering Coal Co.	5	.....	1,189,119	1,161,344	.....	2,151	25,624
	..do.	3	Westville.	899,419	887,419	.....	.....	12,000
	..do.	2	W. Frankfort. ..	289,700	273,925	.....	2,151	13,624
6	Big Muddy C. & I. Co..	5	.....	1,065,529	983,445	12,404	4,100	65,580
	..do.	1	Clifford.	413,709	391,819	286	1,239	20,365
	..do.	1	Herrin.	412,495	388,991	400	2,861	20,243
	..do.	3	Murphysboro. ..	239,325	202,635	11,718	.....	24,972
7	Donk Bros. C. & C. Co..	3	.....	1,033,882	1,003,169	2,588	5,012	23,113
	..do.	1	Donkville.	440,613	428,811	2,469	755	8,578
	..do.	1	Maryville.	351,995	341,812	27	2,060	8,096
	..do.	1	Troy.	241,274	232,546	92	2,197	6,439
8	Spring Valley Coal Co..	5	Spring Valley. ..	1,017,773	950,113	10,096	21,016	36,548
9	Chi., Wil. & V. C. Co..	5	.....	962,116	891,856	.....	14,564	55,696
	..do.	2	S. Wilmington. ..	424,333	384,258	.....	8,527	31,548
	..do.	1	Thayer.	368,548	357,490	.....	1,997	9,061
	..do.	2	Streator.	169,235	150,108	.....	4,040	15,087
10	Kelley Coal Co.	4	.....	944,828	919,848	.....	7,414	17,566
	..do.	3	Westville.	795,995	775,409	.....	7,241	13,345
	..do.	1	Himrod.	148,833	144,439	.....	173	4,221
11	Southern C. & M. Co..	9	.....	881,506	833,592	208	9,879	37,827
	..do.	6	Belleville.	520,992	497,896	208	3,518	19,370
	..do.	1	New Baden.	333,912	315,124	.....	3,014	15,774
	..do.	1	Germantown.	26,602	20,572	.....	3,347	2,683
12	Springfield C. M. Co..	5	.....	861,981	814,528	116	15,928	31,409
	..do.	3	Springfield.	519,475	488,299	.....	12,299	18,877
	..do.	2	Riverton.	342,506	326,229	116	3,629	12,532

Table 22—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Location of mine—postoffice.	Total output all grades—tons.	DISTRIBUTION OF OUTPUT—TONS.			
					Loaded on cars at mine for shipment	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at mine.
13	Mt. Olive & S. C. Co.....	2	.....	742,782	720,203	6,125	3,556	12,898
	..do.....	1	Williamson.....	417,528	409,065	.....	1,420	7,043
	..do.....	1	Staunton.....	325,254	311,138	6,125	2,136	5,855
14	Centralia Coal Co.....	3	Centralia.....	721,883	533,636	133,469	29,508	25,270
15	St. Louis & O'Fal. C. Co	2	Belleville.....	657,226	645,458	4,340	.....	7,428
16	Illinois Collieries Co.....	7	.....	637,866	550,791	31,064	27,154	28,857
	..do.....	2	Virden.....	252,259	222,864	10,108	7,254	12,033
	..do.....	2	Springfield.....	178,461	167,814	.....	2,164	8,483
	..do.....	1	Girard.....	110,898	103,339	.....	3,998	3,561
	..do.....	1	Litchfield.....	50,019	15,148	20,966	11,578	2,337
	..do.....	1	Sorento.....	46,229	41,626	.....	2,160	2,443
17	LaSalle Co. C. & C. Co..	5	.....	620,506	474,900	68,241	47,410	29,955
	..do.....	2	LaSalle.....	339,931	271,054	32,606	24,592	11,679
	..do.....	3	Streator.....	280,575	203,846	35,635	22,818	18,276
18	Ill. Midland Coal Co....	2	.....	598,832	577,847	2,543	5,779	12,663
	..do.....	1	Sherman.....	302,305	296,803	.....	33	5,469
	..do.....	1	Pawnee.....	296,527	281,044	2,543	5,746	7,194
19	St. Paul Coal Co.....	2	.....	580,402	538,123	3,360	6,233	32,686
	..do.....	1	Cherry.....	295,182	260,753	.....	2,017	32,412
	..do.....	1	Granville.....	285,220	277,370	3,360	4,216	274
20	Big Creek Coal Co.....	3	.....	548,361	530,985	3,295	185	13,896
	..do.....	1	St. David.....	221,521	215,883	1,779	.....	3,859
	..do.....	1	Dunfermline...	218,647	211,986	.....	185	6,476
	..do.....	1	Cuba.....	108,193	103,116	1,516	.....	3,561
21	Peabody Coal Co.....	3	.....	531,749	508,962	.....	5,010	17,777
	..do.....	2	Marion.....	489,705	474,270	.....	.....	15,435
	..do.....	1	Nokomis.....	42,044	34,692	.....	5,010	2,342
22	New Staunton Coal Co..	1	Livingston.....	530,159	522,038	23	1,827	6,271
23	Zeigler Coal Co.....	1	Zeigler.....	522,722	498,422	1,226	1,620	21,454
24	Breese-Trenton Mng.Co.	3	.....	518,739	441,314	49,275	11,232	16,918
	..do.....	2	Breese.....	327,245	255,064	49,275	8,968	13,938
	..do.....	1	Beckemeyer....	191,494	186,250	.....	2,264	2,980

Table 22—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Location of mine—postoffice.	Total output all grades tons.	DISTRIBUTION OF OUTPUT—TONS.			
					Loaded on cars at mine for shipment.	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at mine.
25	Chi. & Carte'vil Coal Co	2	Herrin.....	507,844	458,718	10,645	4,392	34,089
26	Burnwell Coal Co.....	2	Witt.....	422,433	407,034	.....	7,307	8,092
27	Maplewood Coal Co.....	2	Farmington....	409,912	399,336	833	1,626	8,117
28	Sunnyside Coal Co.....	1	Herrin.....	397,525	374,168	.....	1,990	21,367
29	Pana Coal Co.....	2	Pana.....	390,909	234,078	31,416	18,936	106,479
30	Jos Taylor Coal Co.....	3	O' Fallon.....	385,500	372,000	800	2,200	10,500
31	Willis Coal Mining Co...	2	.....	382,771	375,179	.....	1,718	5,874
	..do.....	1	Percy.....	216,701	212,156	.....	1,394	3,151
	..do.....	1	Willisville.....	166,070	163,023	.....	324	2,723
32	Bessemer Washed C. Co	6	.....	369,521	329,936	17,225	7,367	14,993
	..do.....	2	Tilden.....	137,020	126,495	.....	.....	10,525
	..do.....	1	Pinckneyville..	133,325	112,323	17,140	3,472	390
	..do.....	2	Marissa.....	61,864	57,428	85	2,395	1,956
	..do.....	1	Lenzburg.....	37,312	33,690	.....	1,500	2,122
33	Clarke Coal & Coke Co..	2	Peoria.....	365,912	343,044	15,203	.....	7,665
34	Lumaghi Coal Co.....	2	Collinsville....	358,272	351,684	.....	1,817	4,771
35	Big Four Wilm. Coal Co	3	Carbon Hill....	344,802	324,430	.....	6,352	14,020
36	Royal Coal Co.....	1	Viriden.....	337,680	329,412	.....	1,782	6,486
37	Little Vermilion Coal Co	1	Georgetown....	330,342	327,001	.....	.....	3,341
38	Johnston City Coal Co..	1	Johnston City..	326,829	323,829	.....	.....	3,000
39	Shoal Creek Coal Co....	1	Panama.....	293,127	280,320	.....	1,347	11,460
40	Citizens' Coal Mining Co	3	.....	289,288	233,979	31,316	13,523	10,470
	..do.....	2	Springfield.....	170,048	161,703	3,952	2,516	1,877
	..do.....	1	Lincoln.....	119,240	72,276	27,364	11,007	8,593
41	Devlin Coal Co.....	1	Toluca.....	284,839	221,326	43,422	5,629	14,462
42	Springfield Coal Co.....	1	Taylorville.....	274,337	222,057	17,397	18,633	16,250
43	Woodside Coal Co.....	1	Springfield.....	267,276	204,200	35,450	17,500	10,126
44	Hillsboro Coal Co.....	1	Hillsboro.....	264,499	250,712	.....	8,892	4,895
45	Prairie Coal Co.....	1	Belleville.....	261,970	260,770	100	100	10000
46	Springfield Colliery Co..	1	Springfield.....	257,174	250,174	.....	.....	7,000
47	Christian Co. Coal Co...	1	Taylorville.....	256,882	237,078	.....	8,226	11,578
48	Black Diamond Coal Co	1	Auburn.....	253,621	245,537	.....	2,112	5,972
49	Chi. & B. M. C. & C. Co	1	Marion.....	250,858	244,122	.....	128	6,608
50	Carterville Dist. C. Co.	1	..do.....	250,500	243,200	.....	.....	7,300

Table 22—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Location of mine—postoffice.	Total output all grades—tons.	DISTRIBUTION OF OUTPUT—TONS.			
					Loaded on cars at mine for shipment	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at mine.
51	Coal Valley Mining Co.	2	.....	246,950	230,187	1,544	3,992	11,227
	..do.	1	Sherrard	217,280	204,700	944	3,331	8,305
	..do.	1	Cable	29,670	25,487	600	661	2,922
52	Majestic Coal Co.	1	Clinch	245,513	238,000	.....	313	7,200
53	Western C. & M. Co.	1	Bush	238,619	223,129	.....	936	14,554
54	Saline Co. Coal Co.	2	Harrisburg	237,248	232,959	.....	516	3,773
55	Illinois 3d Vein Coal Co.	1	Ladd	229,816	190,864	17,037	4,073	17,842
56	Carterville Coal Co.	1	Carterville	217,134	210,632	.....	602	5,900
57	Cardiff Coal Co.	1	Cardiff	216,781	209,737	.....	2,400	4,644
58	Star Coal Co.	4	.....	216,512	208,646	.....	106	7,760
	..do.	2	Cuba	116,363	114,553	.....	.....	1,810
	..do.	2	Kangley	100,149	94,093	.....	106	5,950
59	Newsam Bros.	4	.....	212,623	206,062	.....	2,516	4,045
	..do.	3	Peoria	148,690	145,264	.....	931	2,495
	..do.	1	Farmington	63,933	60,798	.....	1,585	1,550
60	Braceville Coal Co.	1	Braceville	209,742	195,888	.....	3,243	10,611
61	Monmouth Coal Co.	1	Brereton	206,747	202,151	.....	.....	4,596
62	Missouri & Ill. Coal Co.	4	.....	205,025	199,129	.....	226	5,670
	..do.	1	Willisville	100,929	99,190	.....	139	1,600
	..do.	1	Wilderman	48,457	46,629	.....	38	17,90
	..do.	1	Freeburg	35,043	33,753	.....	10	1,280
	..do.	1	Rentehler	20,596	19,557	.....	39	10000
63	Oglesby Coal Co.	1	Oglesby	202,781	187,442	158	5,168	10,013
64	Benton Coal Co.	1	Benton	202,050	187,406	.....	8,892	5,752
65	Paradise Coal & C. Co.	1	Duquoin	200,000	163,000	12,000	1,000	24,000
66	Latham Coal Co.	1	Lincoln	199,020	171,890	.....	15,143	11,987
67	Muddy Val. M. & M. Co.	1	Hallidayboro	194,943	121,987	49,651	20,412	2,893
68	Carterville Mining Co.	3	.....	194,033	184,601	.....	974	8,458
	..do.	2	Carterville	137,731	132,563	.....	192	4,976
	..do.	1	Cambria	56,302	52,038	.....	782	3,482
69	St. Louis & Cart. C. Co.	1	Herrin	192,710	189,451	740	99	2,420
70	Standard Washed C. Co.	2	.....	191,786	182,281	.....	3,305	6,200
	..do.	1	Spaulding	99,826	94,601	1	2,625	2,600
	..do.	1	Bissell	91,960	87,680	.....	680	3,600

Table 22—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Location of mine—postoffice.	Total output all grades—tons.	DISTRIBUTION OF OUTPUT—TONS.			
					Loaded on cars at mine for shipment.	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at mine.
71	Kolb Coal Co.	4	Mascoutah.	191,661	150,661	24,000	5,000	12,000
72	Odin Coal Co.	1	Odin.	190,642	178,352	.....	3,285	9,045
73	Consumers C. & M. Co..	2	Johnston City..	189,607	181,607	.....	.....	8,000
74	Capital Coal Co.	1	Springfield.....	185,475	82,420	36,985	53,385	12,685
75	Canton Coal Co.	1	Canton.	177,812	177,332	.....	.....	480
76	Co-Operative Coal M. Co	1	Breese.	176,805	169,305	.....	2,500	5,000
77	United Coal Co.	1	Christopher....	175,113	163,630	.....	7,103	4,380
78	Kortkamp Coal Co.	1	Hillsboro.	173,458	168,458	.....	.....	5,000
79	Wilmington Star M.Co..	3	Coal City.	168,047	159,891	.....	3,989	4,167
80	Vivian Coal Co.	1	Green Ridge...	164,897	159,311	.....	1,282	4,304
81	DeCamp C. M. Co.	1	Staunton.	164,758	158,152	53	6,553	.....
82	Sangamon Coal Co.	1	Springfield.....	161,334	156,117	.....	2,781	2,436
83	Chi.-Springfield C. Co. .	1	do.	159,450	156,023	.....	186	3,241
84	Zeigler Dist.Col.Co.	1	Christopher....	156,510	151,761	.....	2,747	2,002
85	Superior C. & M. Co.	1	Belleville.	153,797	148,367	.....	.....	5,430
86	Duquoin Oper. Co.	1	Clinch.	151,426	144,476	.....	950	6,000
87	Empire Coal Co.	1	Gilchrist.	147,403	144,089	.....	1,892	1,422
88	Stonington Coal Co.	1	Stonington.	142,894	132,291	.....	5,071	5,532
89	Tuxhorn Coal Co.	1	Springfield.....	142,666	139,423	.....	1,243	2,000
90	Smith-Lohr Coal Co.	1	Pana.	142,283	128,115	.....	11,768	2,400
91	Wabash Coal Co.	2	.....	141,975	130,618	.....	4,619	6,738
	do.	1	Dawson.	76,681	71,912	.....	2,190	2,579
	do.	1	Athens.	65,294	58,706	.....	2,429	4,159
92	Acme Coal Co.	1	Streator.	141,861	99,039	.....	13,268	29,554
93	Borders Coal Co.	2	Marissa.	133,567	120,900	.....	3,500	14,167
94	Morris Coal M. Co.	1	Norris.	137,544	117,315	16,929	1,500	1,800
95	Clover Leaf Coal Co.	2	Coffeen.	135,088	128,572	78	3,338	3,100
96	Cora Coal Co.	1	Springfield.....	132,950	128,873	.....	1,333	2,744
97	Kern Donnewald C. Co.	1	Worden.	131,988	123,608	.....	3,100	5,280
98	Decatur Coal Co.	3	.....	128,942	51,426	.....	77,516	.....
	do.	2	Decatur.	99,141	25,625	.....	73,516	.....
	do.	1	Niantic.	29,801	25,801	.....	4,000	.....

Table 22—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Location of mine—postoffice.	Total output all grades—tons.	DISTRIBUTION OF OUTPUT—TONS.			
					Loaded on cars at mine for shipment	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at mine.
99	Trenton M. Co.	1	Trenton	127,369	112,660	.....	5,611	9,098
100	Penwell C. M. Co.	1	Pana	126,808	98,295	16,171	6,130	6,212
101	Marquette 3d Vein C. Co.	1	Marquette	123,807	113,678	.....	1,556	8,573
102	B. F. Berry Coal Co.	1	Granville	117,916	109,959	.....	1,646	6,311
103	Big Mudy River C. Co. .	2	.....	117,659	117,659	.....	.....	.....
	..do	1	Johnston City..	62,794	62,794	.....	.....	.....
	..do	1	Herrin	54,865	54,865	.....	.....	.....
104	W. P. Rend Col. Co.	1	Benton	113,831	106,442	75	654	6,660
105	Wasson Coal Co.	1	Harrisburg	112,290	110,586	.....	204	1,500
106	Avery Coal & M. Co.	2	.....	112,056	102,763	.....	2,772	6,521
	..do	1	Freeburg	59,353	54,443	.....	1,884	3,026
	..do	1	Winkle	52,703	48,320	.....	888	3,495
107	Franklin Co. Col. Co.	1	Sesser	111,532	103,932	.....	1,040	6,560
108	Carterville & B.M.C.Co.	1	Cambria	111,347	104,132	.....	335	6,880
109	Williamson Co. Coal Co.	1	Johnston City..	109,959	107,540	.....	.....	2,419
110	Springfield Co-oper. Co.	1	Springfield	108,800	81,600	.....	23,200	4,000
111	Mfg. & Consumers C. Co.	1	Decatur	108,694	34,588	7,709	62,724	3,673
112	E. S. Gray Coal Co.	1	Oakwood	108,668	105,758	.....	1,350	1,560
113	Hafer Washed Coal Co. .	1	Carterville	107,298	104,674	.....	140	2,484
114	Moffat Coal Co.	1	Sparta	106,579	98,903	.....	676	7,000
115	Wenona Coal Co.	1	Wenona	104,176	91,365	.....	8,066	4,745
116	Barelay Coal M. Co.	1	Springfield	102,592	97,809	.....	1,783	3,000
117	Roanoke Coal Co.	1	Pekin	100,403	80,223	8,307	6,196	5,677
118	Donally-Koenecke Coal Co.	1	Carterville	99,717	91,671	.....	300	7,746
119	Lincoln M. Co.	1	Lincoln	99,298	69,298	.....	20,000	10,000
120	Cantrall Co-oper. Co.	1	Cantrall	98,862	90,947	4,812	1,203	1,900
121	West End Coal Co.	1	Springfield	98,358	71,988	.....	23,370	3,000
122	Fullerton Coal Co.	1	Belleville	95,996	94,996	.....	300	700
123	Brilliant Coal & C. Co. .	1	Duquoin	94,515	89,314	.....	1,601	3,600
124	Century Coal Co.	1	Tower Hill	94,366	87,741	.....	3,276	3,349
125	Watson Coal Co.	2	Herrin	94,350	89,200	3,000	500	1,650
126	Applegate & Lewis C.Co.	2	.....	92,403	76,115	11,177	1,518	3,593
	..do	1	Cuba	61,897	47,719	11,177	74	2,927
	..do	1	Hanna City	30,506	28,396	.....	1,444	666

Table 22—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Location of mine—postoffice.	Total output all grades—tons.	DISTRIBUTION OF OUTPUT—TONS.			
					Loaded on cars at mine for shipment.	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at mine.
127	Vulcan C.M.Co.....	2	Belleville.....	90,249	69,426	13,250	839	6,734
128	Wolschlag Co-oper. Co..	1	Peoria.....	89,323	86,300	1,042	.....	1,981
129	Assumption Coal Co....	1	Assumption....	89,210	70,952	.....	9,162	9,096
130	McLean Co. Coal Co....	1	Bloomington...	88,898	12,000	21,000	42,000	13,898
131	Suburban C. & M. Co....	1	Belleville.....	88,769	85,969	.....	800	2,000
132	Middletown C. Co.....	1	Middletown...	87,816	79,914	.....	4,589	3,313
133	International M. Co....	2	O'Fallon.....	86,858	76,049	.....	2,788	8,021
134	Athens Mining Co.....	1	Athens.....	86,178	80,229	.....	2,712	3,237
135	Chicago & Herrin C. Co.	1	Herrin.....	85,471	75,553	.....	3,562	6,356
136	Simmons Coal Co.....*	1	Canton.....	84,939	82,018	.....	.....	2,921
137	Sholl Bros.....	1	Peoria.....	83,341	81,405	.....	150	1,786
138	Eagle Mining Co.....	1	Canton.....	80,707	66,451	.....	11,800	2,456
139	Jupiter C. & Mining Co.	2	Duquoin.....	80,355	74,255	.....	600	5,500
140	Miller & Horn Coal Co..	1	do.....	76,991	73,701	.....	480	2,810
141	Royal Coal Co.....	1	Belleville.....	74,327	72,827	.....	.....	1,500
142	Tazewell Coal Co.....	1	Pekin.....	74,109	68,627	.....	4,657	825
143	Johnson Coal Co.....	2	.....	73,830	69,010	.....	.....	4,820
	do.....	1	Marissa.....	38,244	37,000	.....	.....	1,244
	do.....	1	Freeburg.....	35,586	32,010	.....	.....	3,576
144	Electric C. Co.....	1	Hillery.....	73,721	48,580	22,396	756	1,989
145	Kewanee C. M. Co.....	2	Kewanee.....	72,107	69,215	.....	1,463	1,429
146	Gartside Coal Co.....	2	Murphysboro ..	71,058	52,517	.....	3,586	14,955
147	Robert Dick & Co.....	1	Cambria.....	69,152	67,452	.....	300	1,400
148	Illinois Fuel Co.....	1	Sparta.....	68,565	64,952	.....	221	3,392
149	Wilm C. M. & Mfg. Co..	1	Torino.....	67,418	62,036	.....	1,732	3,650
150	James Cahill Estate....	1	Peru.....	66,522	27,234	29,413	7,869	2,006
151	Prairie State C. & C. Co.	1	Nilwood.....	65,947	59,947	.....	2,500	3,500
152	Carlinville Coal Co.....	1	Carlinville....	65,721	47,031	2,460	12,120	4,110
153	Spring Creek Coal Co...	1	Springfield....	63,940	61,384	.....	365	2,191
154	Moweaqua Coal Co.....	1	Moweaqua....	63,840	42,284	6,360	10,141	5,055
155	Carterville & Herrin C. Co.....	1	Herrin.....	63,063	60,769	.....	192	2,102
156	Summit Coal Co.....	1	Belleville.....	62,886	61,934	.....	176	776
157	Minonk Coal Co.....	1	Minonk.....	62,737	49,214	.....	10,400	3,123
158	Mulberry Hill Coal Co...	1	Freeburg.....	62,350	61,650	.....	200	500

Table 22—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Location of mine—postoffice.	Total output all grades—tons.	DISTRIBUTION OF OUTPUT—TONS.			
					Loaded on cars at mine for shipment	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at mine
159	Murphy-Keenan & Co...	1	Braidwood.....	60,256	53,087	.....	5,969	1,200
160	Imperial Coal Co.....	1	Duquoin.....	58,724	56,469	.....	430	1,825
161	Harrisburg-So. Coal Co..	1	Grayson.....	58,437	56,357	.....	200	1,880
162	Illinois Zinc Co.....	1	Peru.....	58,435	56,380	.....	597	1,458
163	Boyd Coal & Coke Co...	1	Sparta.....	57,600	53,000	.....	4,000	600
164	Belleville & O'Fallon C. Co.....	1	Belleville.....	57,288	55,080	.....	1,920	288
165	Big Muddy-Carterville M. Co.....	1	Pierce.....	56,823	55,023	.....	600	1,200
166	Auburn & Alton C. Co..	1	Auburn.....	56,814	41,353	.....	6,869	8,592
167	Pocahontas Mining Co..	1	Pocahontas....	55,161	48,835	.....	3,292	3,034
168	St. Louis-Coulterville C. Co.....	1	Coulterville....	54,855	52,193	.....	1,081	1,581
169	Johnson Allen Coal Co..	1	Cutler.....	53,673	42,933	8,640	1,200	900
170	Gallatin C. & C. Co.....	1	Equality.....	52,544	43,089	3,676	2,179	3,600
171	Wilson Bros. Coal Co...	1	Sparta.....	52,535	50,825	.....	1,478	232
172	Interstate C. & M. Co...	1	Staunton.....	50,289	47,201	.....	.....	3,088
173	Hart-Williams Coal Co..	1	Benton.....	49,914	45,459	.....	2,531	1,924
174	Mrs. E. Hakes.....	1	Rutland.....	49,572	23,230	17,638	4,794	3,910
175	Henrietta Coal Co.....	1	Edwardsville...	49,117	32,340	.....	13,977	2,800
176	Jones Bros. C. & M. Co.	1	Tilden.....	47,809	46,668	.....	.....	1,141
177	Gus Blair B. M. Coal Co..	2	Murphysboro...	46,664	39,649	.....	3,385	3,630
178	Chicago & Carbondale C. Co.....	1	DeSoto.....	46,000	41,000	.....	500	4,500
179	Collier Coop. Coal Co...	1	Bartonville....	45,984	45,000	.....	.....	984
180	Chuley-Miller Coal Co...	1	Caseyville.....	44,898	43,933	.....	165	800
181	Jones Bros. Coal Co.....	1	Marissa.....	44,129	38,445	.....	2,283	3,401
182	Marissa Coal & M. Co...	1	do.....	42,510	39,617	.....	723	2,170
183	Middletown & Seidel...	1	Sandoval.....	42,400	40,360	.....	1,200	840
184	Tilton Coal Co.....	1	Vandercreek....	42,205	42,205	.....	.....	.....
185	Spoon River Coal Co...	2	.....	40,918	40,918	.....	.....	.....
	do.....	1	Galesburg.....	21,563	21,563	.....	.....	.....
	do.....	1	Mayton.....	19,355	19,355	.....	.....	.....
186	George Vickery.....	1	Peoria.....	40,330	35,000	.....	5,000	330
187	Beaty Coal Co.....	1	Mascoutah.....	39,600	37,620	.....	.....	1,980
188	South Mountain C. Co..	1	Petersburg.....	39,518	30,927	2,610	4,480	1,501
189	Coulterville Mining Co..	1	Coulterville....	38,989	34,414	.....	2,824	1,751

Table 22—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Location of mine—postoffice.	Total output all grades—tons.	DISTRIBUTION OF OUTPUT—TONS.			
					Loaded on cars at mine for shipment.	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at mine.
190	Nicholson Coal Co.....	1	Nashville.....	38,608	400	17,608	16,600	4,000
191	Jones & Adams C Co...	1	Springfield.....	38,239	34,052	.....	2,487	1,700
192	Phoenix Coal Co.....	1	Peoria.....	37,775	36,315	.....	.....	1,460
193	Tamaroa & L. M. C. Co..	1	Tamaroa.....	37,283	34,583	.....	2,000	700
194	West Virginia Coal Co...	1	Marion.....	37,062	37,062	.....	.....	.....
195	Kuhn Collieries Co.....	1	Dubois.....	36,940	31,940	.....	3,000	2,000
196	East Cuba C. M. Co.....	1	Cuba.....	36,219	34,519	.....	.....	1,700
197	Oakwood Coal Co.....	1	Oakwood.....	36,000	34,400	.....	800	800
198	Howe Coal Co.....	1	Streator.....	34,534	16,737	.....	17,447	350
199	People's Coal M. Co.....	1	Tice.....	34,212	33,780	.....	.....	432
200	Astoria & Woodland C. Co.....	1	Astoria.....	33,603	32,403	.....	.....	1,200
201	Colfax Coop. C. Co.....	1	Colfax.....	33,518	18,955	7,501	3,862	3,200
202	Tallula Coal Co.....	1	Tallula.....	31,584	27,035	.....	3,762	787
203	White & Nesbit.....	1	Belleville.....	31,536	21,702	.....	8,340	1,494
204	Glendale Coal & M. Co..	1	do.....	31,463	25,590	.....	2,929	2,944
205	West Mine Coal Co.....	1	Coulterville.....	30,937	28,873	.....	1,720	344
206	Lancaster Landing C. C.	2	Kingston.....	30,400	30,400	.....	.....	.....
207	Brookside Coal Co.....	1	Troy.....	30,268	21,669	.....	6,282	2,317
208	Joliet-Wilmington C. Co.	1	Braidwood.....	28,840	25,890	.....	1,300	1,650
209	Pittsburg Coal & M. Co.	1	Belleville.....	27,945	17,335	.....	8,610	2,000
210	Howard & Taylor.....	1	Edwards.....	27,211	24,526	.....	.....	2,685
211	Grant Bros. C. & Ice Co..	1	Pekin.....	26,825	18,000	.....	7,000	1,825
212	Bailey Bros.....	1	Sunfield.....	26,316	24,669	.....	792	855
213	Highland Coal Co.....	1	Belleville.....	25,067	13,633	850	7,933	2,651
214	Williamsville Coal Co...	1	Selbytown.....	24,305	20,333	.....	1,000	2,972
215	New Moon Mining Co...	1	Duquoin.....	23,547	17,760	.....	5,187	600
216	Dewey Coal Co.....	1	Belleville.....	22,722	21,900	.....	.....	822
217	Fairbury West End C. Co.....	1	Fairbury.....	22,554	10,367	11,587	500	100
218	Eastern Coal Co.....	1	Peoria.....	21,737	10,000	.....	11,437	300
219	Mechanicsburg Coal Co..	1	Mechanicsburg.	21,324	15,992	.....	2,785	2,547
220	T. M. Meeks Coal Co....	1	Marissa.....	21,019	20,426	.....	65	528
221	Edwardsville Coal Co...	1	Edwardsville..	20,688	4,000	.....	16,212	476
222	Central Indiana C. M. C.	1	Rentchler.....	20,578	20,200	.....	200	178
223	I. Wantling & Co.....	1	Peoria.....	20,361	19,861	.....	.....	500

Table 22—Continued.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Location of mine—postoffice.	Total output all grades—tons.	DISTRIBUTION OF OUTPUT—TONS.			
					Loaded on cars at mine for shipment	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at mine.
224	Champion Coal Co.....	1	Pekin.....	20,290	9,080	2,273	8,487	450
225	Farmington Coal Co.....	1	Farmington. ...	20,193	18,156	.....	1,335	702
226	Diamond Fuel Co.....	1	Duquoin.....	19,718	17,718	.....	650	1,350
227	Norris City Coal Co.....	1	Norris City.....	19,480	7,908	3,897	6,285	1,390
228	Herman Phull.....	1	Richland.....	17,825	16,865	.....	40	920
229	Clarke City-Wilm. Coal Co.....	1	Clarke City.....	17,801	14,917	.....	1,305	1,579
230	W. D. Myers.....	1	St. David.....	17,700	17,000	.....	.....	700
231	Frank Davis.....	1	Muncie.....	17,649	10,319	.....	6,880	450
232	Greenview Coal Co.....	1	Greenview.....	16,082	10,102	.....	4,030	1,950
233	W. E. Foley.....	1	Mapleton.....	16,000	15,500	.....	250	250
234	Third Vein Coal Co.....	1	do.....	15,000	14,500	.....	.....	500
235	Danville Colliery Co....	1	Catlin.....	15,000	11,000	.....	3,000	1,000
236	Sunnyside Fuel Co.....	1	Cuba.....	14,556	13,445	.....	554	557
237	Volunteer Coal Co.....	1	Coal Valley....	14,261	12,051	.....	2,000	210
238	Schmidgall Coal Co.....	1	Murphysboro ..	13,848	2,175	.....	10,473	1,200
239	Anchor Coal & M. Co....	1	Duquoin.....	13,831	12,431	.....	200	1,200
240	Fulton County Coal Co..	1	Sparland.....	13,715	8,466	.....	4,192	1,059
241	Galatia Coal Co.....	1	Galatia.....	13,273	9,273	.....	2,800	1,200
242	Mutual Coal Co.....	1	Mt. Pulaski....	12,452	1,549	.....	9,103	1,800
243	L. Senior.....	1	Belleville.....	12,183	11,700	.....	.....	483
244	Harmony Coal Co.....	1	do.....	12,153	10,931	.....	425	797
245	Burney Coal Co.....	1	Colchester.....	11,864	11,335	.....	529	.....
246	Strait Coal Co.....	1	Pickneyville....	11,490	9,900	.....	1,099	401
247	Lake Erie Coal M. Co....	1	Peoria.....	11,233	925	.....	9,708	600
248	Manchester Coal Co.....	1	Petersburg.....	10,000	5,000	.....	3,500	1,500
249	Colp Coal Co.....	1	Marion.....	10,000	8,700	600	200	500
250	Atlas Coal Co.....	1	Galva.....	9,852	3,152	.....	6,100	600
251	Wasson Coal Co.....	1	Edwards.....	9,062	8,596	.....	30	436
252	J. R. Riley.....	1	Breeds.....	8,925	8,900	.....	25	.....
253	Scranton & B. M. C. Co.	1	Marion.....	8,688	7,531	.....	.....	1,157
254	Eldorado C. & M. Co....	1	Eldorado.....	8,000	4,500	.....	3,000	500
255	Johnston City & St. L. C. Co.....	1	Johnston City..	5,546	1,505	.....	3,428	613
256	Essex & Fritz.....	1	Parrville.....	5,500	5,500	.....	.....	.....
257	Monarch C. & M. Co.....	1	Farmington....	5,000	5,000	.....	.....	.....

Table 22—Concluded.

No. of operators.	NAME OF OPERATOR.	Number of mines.	Location of mine—postoffice.	Total output all grades—tons.	DISTRIBUTION OF OUTPUT—TONS.			
					Loaded on cars at mine for shipment.	Supplied to locomotives at mine chutes.	Sold to local trade.	Consumed and wasted at mine.
258	Wm. Scripps Coal Co...	1	St. David.....	4,860	4,207	.....	.....	653
259	Keystone B. M. C. Co...	1	Marion.....	4,658	4,375	.....	26	257
260	Peacock Coal Co.....	1	DeSoto.....	4,400	800	.....	3,000	600
261	Meridith Bros.....	1	Augusta.....	4,250	4,000	.....	250	.....
262	Wilson Coal Co.....	1	Cutler.....	3,861	2,819	.....	706	336
263	Wm. Francis & Co.....	1	Streator.....	3,811	80	.....	3,731	.....
264	Murphy Coal Co.....	1	Belleville.....	3,062	3,062	.....	.....	.....
265	Galesburg Union Supply Co.....	1	Parrville.....	2,712	2,712	.....	.....	.....
266	Magee Coal Co.....	1	Breeds.....	2,654	2,419	.....	205	30
267	Mississippi Col. Co.....	1	Smithboro.....	2,128	763	.....	1,000	365
268	Davenport Mining Co...	1	Carrier Mills...	231	190	.....	20	21

The classification of the owners or operators of the foregoing list of mines is shown in the following table for the past five years. Of the 268 operators shown for this year 93.6 per cent are corporations, three per cent firms and 3.4 per cent individuals.

TABLE 23—Number of Shipping Mines and Locations with Classification of Ownership, for Five Years.

YEAR.	Total number of mines.	Number of locations.	OPERATORS.			Total.
			Corporations.	Firms.	Individuals.	
1904.....	380	175	228	20	25	273
1905.....	397	173	242	21	17	280
1906.....	419	178	248	21	16	285
1907.....	411	180	261	9	6	276
1908.....	407	172	251	8	9	268

LOCATION OF MINES.

Table 24 presents a list of the location of all of the mines of the State, reported for the year, giving the county and district in which located, with number of mines, men and tons at each locality. The locations number 300, and for ready reference, gives at a glance, the location of all of the mines, men and tons in the State.

TABLE 24—*Locations of all Mines of the State, showing County and District, also number of Mines, Men and Tons, 1908.*

No	LOCATION OF MINES— TOWN OR POSTOFFICE.	County.	NUMBER OF—			
			District.	Mines.	Men.	Tons.
	The State.....	54	10	922	70,841	49,272,452
1	Abington.....	Knox.....	2	8	30	1,860
2	Aledo.....	Mercer.....	2	4	19	8,536
3	Alexis.....	Warren.....	2	2	11	4,780
4	Alsey.....	Scott.....	7	2	15	1,859
5	Altona.....	Knox.....	2	1	5	1,400
6	Arenzville.....	Morgan.....	7	1	4	440
7	Assumption.....	Christian.....	7	1	174	89,210
8	Astoria.....	Fulton.....	4	2	60	34,134
9	Athens.....	Menard.....	6	2	270	151,472
10	Atkinson.....	Henry.....	2	2	14	3,514
11	Auburn.....	Sangamon.....	6	2	314	310,435
12	Augusta.....	Hancock.....	4	4	20	6,686
13	Ava.....	Jackson.....	10	2	11	4,451
14	Avon.....	Fulton.....	4	5	21	4,284
15	Bartonville.....	Peoria.....	3	4	96	95,022
16	Beckemeyer.....	Clinton.....	9	1	235	191,494
17	Belleville.....	St. Clair.....	8	33	2,539	2,320,269
18	Benton.....	Franklin.....	9	3	523	365,795
19	Bethalto.....	Madison.....	8	2	13	2,770
20	Birmingham.....	McDonough.....	4	3	8	1,080
21	Bissell.....	Sangamon.....	6	1	154	91,960
22	Blandinsville.....	McDonough.....	4	1	2	640
23	Bloomington.....	McLean.....	4	1	245	88,898
24	Bluffs.....	Scott.....	7	2	7	1,777
25	Braceville.....	Grundy.....	1	2	458	215,742
26	Bradford.....	Stark.....	3	3	17	3,350
27	Braidwood.....	Will.....	1	3	277	93,596
28	Breeds.....	Fulton.....	4	2	26	11,579
29	Breese.....	Clinton.....	9	4	677	562,292

Table 24—Continued.

No.	LOCATION OF MINES— TOWN OR POSTOFFICE.	County.	NUMBER OF—			
			District.	Mines.	Men.	Tons.
30	Brereton.....	Fulton.....	4	1	265	206,747
31	Briar Bluff.....	Henry.....	2	1	2	400
32	Brighton.....	Macoupin.....	7	3	10	1,874
33	Brimfield.....	Peoria.....	3	6	22	4,217
34	Bunker Hill.....	Macoupin.....	7	3	16	9,507
35	Bush.....	Williamson.....	10	1	271	238,619
36	Bushnell.....	Fulton.....	4	1	2	200
37	Cable.....	Mercer.....	2	3	59	31,210
38	Cambria.....	Williamson.....	10	5	531	333,344
39	Cambridge.....	Henry.....	2	1	11	5,000
40	Campbell Hill.....	Jackson.....	10	2	6	3,560
41	Canton.....	Fulton.....	4	18	520	356,737
42	Cantrall.....	Sangamon.....	6	1	137	98,862
43	Carbon Cliff.....	Rock Island.....	2	2	18	4,797
44	Carbondale.....	Jackson.....	10	4	22	9,000
45	Carbon Hill.....	Grundy.....	1	3	810	344,802
46	Cardiff.....	Livingston.....	2	1	312	216,781
47	Carlinville.....	Macoupin.....	7	1	93	65,721
48	Carpenter.....	Madison.....	8	1	4	1,040
49	Carriers Mills.....	Saline.....	10	2	254	161,929
50	Carterville.....	Williamson.....	10	9	736	600,425
51	Caseyville.....	St. Clair.....	8	2	54	46,323
52	Catlin.....	Vermilion.....	5	2	85	16,032
53	Centralia.....	Marion.....	9	3	828	721,883
54	Centreville.....	St. Clair.....	8	1	5	5,962
55	Chandlersville.....	Cass.....	6	1	5	800
56	Cherry.....	Bureau.....	2	1	425	295,182
57	Chesterfield.....	Macoupin.....	7	3	11	2,498
58	Chillicothe.....	Peoria.....	3	2	10	3,004
59	Christopher.....	Franklin.....	9	2	321	331,623
60	Clarke City.....	Kankakee.....	1	1	52	17,801
61	Clifford.....	Williamson.....	10	1	327	413,709
62	Clinch.....	Perry.....	9	2	555	396,939
63	Coal City.....	Grundy.....	1	3	379	168,047
64	Coal Valley.....	Rock Island.....	2	7	92	54,063
65	Coffeen.....	Montgomery.....	7	2	253	135,088
66	Colchester.....	McDonough.....	4	33	157	29,621

Table 24—Continued.

No.	LOCATION OF MINES— TOWN OR POSTOFFICE.	County.	NUMBER OF—			
			District.	Mines.	Men.	Tons.
67	Colfax.....	McLean.....	4	1	59	33,518
68	Collinsville.....	Madison.....	8	7	994	902,561
69	Collison.....	Vermillion.....	5	1	13	5,000
70	Colona.....	Henry.....	2	2	10	2,830
71	College Grove.....	Saline.....	10	3	7	2,300
72	Coulterville.....	Randolph.....	9	3	210	124,781
73	Crab Orchard.....	Williamson.....	10	2	8	2,440
74	Cuba.....	Fulton.....	4	10	648	340,012
75	Cutler.....	Perry.....	9	2	74	57,534
76	Danville.....	Vermillion.....	5	16	200	148,501
77	Dawson.....	Sangamon.....	5	1	128	76,681
78	Decatur.....	Macon.....	5	3	384	207,835
79	Deer Park.....	La Salle.....	1	1	16	5,456
80	De Soto.....	Jackson.....	10	3	79	50,600
81	Dewmaine.....	Williamson.....	10	1	350	213,826
82	Divernon.....	Sangamon.....	6	1	355	335,799
83	Donkville.....	Madison.....	8	1	358	440,613
84	Dubois.....	Washington.....	9	1	71	36,940
85	Dunfermline.....	Fulton.....	4	1	270	218,647
86	Duquoin.....	Perry.....	9	10	733	568,181
87	East Peoria.....	Peoria.....	3	4	63	18,669
88	Edinburg.....	Christian.....	7	1	15	2,800
89	Edwards.....	Peoria.....	3	4	115	38,084
90	Edwardsville.....	Madison.....	8	3	108	81,644
91	Eldorado.....	Saline.....	10	4	543	357,126
92	Ellisville.....	Fulton.....	4	2	55	22,563
93	Elmwood.....	Peoria.....	3	1	4	480
94	Equality.....	Gallatin.....	10	5	103	73,546
95	Etherley.....	Knox.....	2	4	10	2,450
96	Exeter.....	Scott.....	7	1	5	700
97	Fairbury.....	Livingston.....	3	2	53	32,228
98	Fairmount.....	Vermillion.....	5	3	25	10,116
99	Fairview.....	Fulton.....	4	10	22	7,750
100	Fancy Prairie.....	Menard.....	6	1	9	8,100
101	Farmersville.....	Montgomery.....	7	1	11	1,200
102	Farmington.....	Fulton.....	4	7	695	509,678
103	Flatt.....	do.....	4	1	2	640

Table 24—Continued.

No.	LOCATION OF MINES— TOWN OR POSTOFFICE.	County.	NUMBER OF—			
			District.	Mines.	Men.	Tons.
104	Findley.....	Shelby.....	7	1	17	1,740
105	Frederick.....	Schuyler.....	6	1	6	922
106	Freeburg.....	St. Clair.....	8	6	241	194,698
107	French Village.....	do.....	8	1	4	2,744
108	Fosterburg.....	Madison.....	8	2	10	1,065
109	Galatia.....	Saline.....	10	1	113	13,273
110	Galesburg.....	Knox.....	2	1	13	4,090
111	Galva.....	Henry.....	2	2	48	17,957
112	Georgetown.....	Vermilion.....	5	2	440	338,137
113	Germantown.....	Clinton.....	9	1	58	26,602
114	Gibson.....	Gallatin.....	10	1	1	36
115	Gilchrist.....	Mercer.....	2	1	240	147,403
116	Gillespie.....	Macoupin.....	7	3	1,095	1,114,148
117	Girard.....	do.....	7	1	265	110,898
118	Glasford.....	Fulton.....	4	1	2	800
119	Glen Carbon.....	Madison.....	8	2	514	434,880
120	Golden Eagle.....	Calhoun.....	7	1	22	2,407
121	Granville.....	Putman.....	3	2	724	403,136
122	Grape Creek.....	Vermilion.....	5	5	39	18,386
123	Grayson.....	Saline.....	10	1	57	58,437
124	Greenfield.....	Greene.....	7	1	7	1,600
125	Greenridge.....	Macoupin.....	7	1	191	164,897
126	Greenview.....	Menard.....	6	1	40	16,082
127	Hallidayboro.....	Jackson.....	10	1	270	194,943
128	Hampton.....	Rock Island.....	2	1	2	317
129	Hanna City.....	Peoria.....	3	5	72	31,186
130	Harrisburg.....	Saline.....	10	11	2,025	1,624,693
131	Herrin.....	Williamson.....	10	10	1,980	1,808,323
132	Hillery.....	Vermilion.....	5	1	121	73,721
133	Hillsboro.....	Montgomery.....	7	2	342	437,957
134	Himrod.....	Vermilion.....	5	1	515	148,833
135	Industry.....	McDonough.....	4	3	13	1,208
136	Ipava.....	Fulton.....	4	2	6	3,286
137	Johnston City.....	Williamson.....	10	6	924	694,735
138	Junction.....	Gallatin.....	10	3	7	1,740
139	Kangley.....	La Salle.....	1	3	244	100,449
140	Kewanee.....	Henry.....	2	20	276	115,705

Table 24—Continued.

No.	LOCATION OF MINES— TOWN OR POSTOFFICE.	County.	NUMBER OF—			
			District.	Mines.	Men.	Tons.
141	Kingston.....	Peoria.....	3	2	40	30,400
142	Knoxville.....	Knox.....	2	4	15	2,594
143	Ladd.....	Bureau.....	2	1	578	229,816
144	La Salle.....	La Salle.....	1	6	1,641	746,418
145	Laura.....	Peoria.....	3	2	5	792
146	Lebanon.....	St. Clair.....	8	1	11	4,520
147	Ledford.....	Saline.....	10	2	443	260,144
148	Lenzburg.....	St. Clair.....	8	1	63	37,312
149	Lewiston.....	Fulton.....	4	10	39	10,331
150	Lincoln.....	Logan.....	6	3	727	417,558
151	Litchfield.....	Montgomery...	7	1	138	50,019
152	Littleton.....	Schuyler.....	6	3	9	1,476
153	Livingston.....	Madison.....	8	1	474	530,159
154	Lowell.....	La Salle.....	1	6	20	3,292
155	Macomb.....	McDonough...	4	2	7	1,260
156	Mapleton.....	Peoria.....	3	10	133	40,018
157	Marietta.....	Fulton.....	4	2	9	1,440
158	Marion.....	Williamson...	10	12	1,202	1,061,719
159	Marissa.....	St. Clair.....	8	9	487	348,213
160	Marquette.....	Bureau.....	2	1	480	123,807
161	Marseilles.....	La Salle.....	1	2	102	30,081
162	Maryville.....	Madison.....	8	1	424	351,995
163	Mascoutah.....	St. Clair.....	8	6	283	234,372
164	Mayton.....	Fulton.....	4	1	50	19,355
165	Mechanicsburg.....	Sangamon.....	6	1	43	21,324
166	Middlegrove.....	Fulton.....	4	3	6	1,223
167	Middletown.....	Logan.....	6	1	121	87,816
168	Millersburg.....	Mercer.....	2	1	2	75
169	Millstadt.....	St. Clair.....	8	4	28	10,122
170	Mineral.....	Bureau.....	2	2	14	3,500
171	Minonk.....	Woodford.....	3	1	185	62,737
172	Mode.....	Shelby.....	7	1	3	400
173	Moline.....	Rock Island...	2	5	17	3,920
174	Monica.....	Peoria.....	3	1	3	360
175	Monmouth.....	Warren.....	2	4	19	2,730
176	Moro.....	Madison.....	8	2	10	1,936
177	Morris.....	Grundy.....	1	10	90	21,558

Table 24—Continued.

No.	LOCATION OF MINES— TOWN OR POSTOFFICE.	County.	NUMBER OF—			
			District.	Mines.	Men.	Tons.
178	Mt. Olive.....	Macoupin.....	7	4	1,017	834,460
179	Mt. Pulaski.....	Logan.....	6	1	34	12,452
180	Mt. Sterling.....	Brown.....	6	2	3	400
181	Mt. Vernon.....	Jefferson.....	9	1	47	25,000
182	Moweaqua.....	Shelby.....	7	1	104	63,840
183	Muncie.....	Vermilion.....	5	1	26	17,649
184	Murphysboro.....	Jackson.....	10	8	767	370,895
185	Murrayville.....	Morgan.....	7	2	9	7,050
186	Nashville.....	Washington.....	9	1	55	38,608
187	New Athens.....	St. Clair.....	8	1	7	10,659
188	New Baden.....	St. Clair.....	8	1	415	333,912
189	New Burnside.....	Johnson.....	10	2	8	2,896
190	New Windsor.....	Mercer.....	2	2	7	1,115
191	Niantic.....	Macon.....	5	1	59	29,801
192	Nilwood.....	Macoupin.....	7	1	125	65,947
193	Nokomis.....	Montgomery.....	7	1	77	42,044
194	Norris.....	Fulton.....	4	1	187	137,544
195	Norris City.....	White.....	9	1	36	19,480
196	North Alton.....	Madison.....	8	3	13	2,361
197	Oak Hill.....	Peoria.....	3	6	15	1,320
198	Oakwood.....	Vermilion.....	5	3	189	145,768
199	Odin.....	Marion.....	9	1	256	190,642
200	O'Fallon.....	St. Clair.....	8	5	512	472,358
201	Oglesby.....	La Salle.....	1	1	394	202,781
202	Oneida.....	Knox.....	2	4	15	3,982
203	Opdyke.....	Jefferson.....	9	1	3	45
204	Oraville.....	Jackson.....	10	1	2	400
205	Ottawa.....	La Salle.....	1	6	20	3,550
206	Pana.....	Christian.....	7	4	934	660,000
207	Panama.....	Montgomery.....	7	1	375	293,127
208	Paris.....	Edgar.....	5	1	5	4,971
209	Parrville.....	Fulton.....	4	2	22	8,212
210	Pawnee.....	Sangamon.....	6	1	352	296,527
211	Pekin.....	Tazewell.....	4	4	429	221,627
212	Peoria.....	Peoria.....	3	26	1,106	878,015
213	Percy.....	Randolph.....	9	1	214	216,701
214	Peru.....	La Salle.....	1	2	323	124,957

Table 24—Continued.

No.	LOCATION OF MINES— TOWN OR POSTOFFICE.	County.	NUMBER OF—			
			District.	Mines.	Men.	Tons.
215	Petersburg.....	Menard.....	6	4	96	61,458
216	Pierce.....	Franklin.....	9	1	112	56,823
217	Pinckneyville.....	Perry.....	9	5	174	149,601
218	Pleasant Plains.....	Sangamon.....	6	1	5	430
219	Pleasant View.....	Schuyler.....	6	4	14	1,400
220	Pocahontas.....	Bond.....	8	1	78	55,161
221	Pontiac.....	Livingston.....	3	1	30	25,032
222	Pottstown.....	Peoria.....	3	3	15	5,405
223	Prairietown.....	Madison.....	8	1	4	1,215
224	Preemption.....	Mercer.....	2	2	19	7,400
225	Princeton.....	Bureau.....	2	2	10	2,610
226	Princeville.....	Peoria.....	3	2	13	4,762
227	Rapatee.....	Knox.....	2	3	10	4,360
228	Ray.....	Schuyler.....	6	1	4	600
229	Raymond.....	Montgomery...	7	1	6	500
230	Rentchler.....	St. Clair.....	8	2	128	41,174
231	Richland.....	do.....	8	1	32	17,825
232	Riverton.....	Sangamon.....	6	2	457	342,506
233	Roodhouse.....	Greene.....	7	1	6	1,080
234	Roseville.....	Warren.....	2	3	11	1,588
235	Rushville.....	Schuyler.....	6	4	16	7,437
236	Rutland.....	La Salle.....	1	1	130	49,572
237	St. David.....	Fulton.....	4	5	460	246,074
238	Salisbury.....	Sangamon.....	6	1	8	1,780
239	Sandoval.....	Marion.....	9	1	95	42,400
240	Sawyer ville.....	Macoupin.....	7	1	553	554,923
241	Selbytown.....	Sangamon.....	6	1	105	24,305
242	Sesser.....	Franklin.....	9	1	134	111,532
243	Sheffield.....	Bureau.....	2	4	38	15,840
244	Shelbyville.....	Shelby.....	7	5	57	4,943
245	Sherman.....	Sangamon.....	6	1	301	302,305
[246	Sherrard.....	Mercer.....	2	1	291	217,280
247	Smithboro.....	Bond.....	8	1	12	2,128
248	Soperville.....	Knox.....	2	1	15	6,000
249	Sorento.....	Bond.....	8	1	160	46,229
250	South Wilmington.....	Grundy.....	1	2	803	424,333
251	Sparland.....	Marshall.....	2	9	101	34,164

Table 24—Continued.

No.	LOCATION OF MINES— TOWN OR POSTOFFICE.	County.	NUMBER OF—			
			District.	Mines.	Men.	Tons.
252	Sparta.....	Randolph.....	9	8	374	303,923
253	Spaulding.....	Sangamon.....	6	1	152	99,826
254	Springfield.....	Sangamon.....	6	21	3,660	2,711,338
255	Spring Valley.....	Bureau.....	2	5	2,876	1,017,773
256	Staunton.....	Macoupin.....	7	6	1,339	1,250,354
257	Stonefort.....	Saline.....	10	2	8	4,775
258	Stonington.....	Christian.....	7	1	145	142,894
259	Streator.....	La Salle.....	1	13	909	388,176
260	Sunfield.....	Perry.....	9	1	51	26,316
261	Sunny Hill.....	Rock Island....	2	1	5	1,940
262	Swan Creek.....	Warren.....	2	1	1	80
263	Sweetwater.....	Menard.....	6	1	9	3,300
264	Table Grove.....	Fulton.....	4	1	3	500
265	Tallula.....	Menard.....	6	3	61	35,086
266	Tamaroa.....	Perry.....	9	1	88	37,283
267	Taylorville.....	Christian.....	7	2	584	531,219
268	Tennessee.....	McDonough....	4	1	6	320
269	Thayer.....	Sangamon.....	6	1	382	368,548
270	Tice.....	Menard.....	6	1	67	34,212
271	Tilden.....	Randolph.....	9	3	230	184,829
273	Toluca.....	Marshall.....	2	1	627	284,839
273	Torino.....	Will.....	1	1	187	67,418
274	Tower Hill.....	Shelby.....	7	1	166	94,366
275	Trenton.....	Clinton.....	9	1	253	127,369
276	Troy.....	Madison.....	8	2	413	271,542
277	Upper Alton.....	do.....	8	1	3	140
278	Vandercook.....	Vermilion.....	5	1	65	42,205
279	Vergennes.....	Jackson.....	10	2	8	2,541
280	Vermont.....	Fulton.....	4	2	15	2,107
281	Victoria.....	Knox.....	2	7	21	4,144
282	Viola.....	Mercer.....	2	3	17	6,429
283	Virden.....	Macoupin.....	7	3	886	589,939
284	Wataga.....	Knox.....	2	4	32	10,462
285	Wenona.....	Marshall.....	2	1	235	104,176
286	West Frankfort.....	Franklin.....	9	2	266	289,700
287	Westville.....	Vermilion.....	5	6	2,191	1,695,414
288	White Hall.....	Greene.....	7	2	22	12,884
289	Wilderman.....	St. Clair.....	8	1	73	48,457

Table 24—Concluded.

No.	LOCATION OF MINES— TOWN OR POSTOFFICE.	County.	NUMBER OF—			
			District.	Mines.	Men.	Tons.
290	Williamson.....	Madison.....	8	1	387	417,528
291	Willisville.....	Perry.....	9	3	345	268,947
292	Wilsman.....	La Salle.....	1	1	3	500
293	Winchester.....	Scott.....	7	6	62	8,926
294	Winkle.....	Perry.....	9	1	83	52,703
295	Witt.....	Montgomery...	7	2	485	422,433
296	Worden.....	Madison.....	8	1	175	131,988
297	Wyoming.....	Stark.....	3	7	58	21,094
298	Yates City.....	Knox.....	2	1	8	3,460
299	Youngstown.....	Warren.....	2	2	4	624
300	Zeigler.....	Franklin.....	9	1	562	522,722
	The State.....			922	70,841	49,272,452

GRADED OUTPUT.

Table 25 presents, by districts, the total output, and the several grades of coal of the shipping mines, the aggregate of the local mines is added and gives the totals of the different grades of the entire output for the year.

TABLE 25—Output of Shipping and Local Mines of the State, with Tons of the Different Grades of Coal, by Districts, 1908.

DISTRICTS.	Total output— tons.	TONS OF THE DIFFERENT GRADES OF COAL—					
		Mine. run.	Lump.	Egg.	Nut.	Pea or screen'gs.	Slack or waste.
First.....	2,768,645	313,378	1,542,632	203,382	44,437	603,900	60,507
Second.....	2,157,151	1,401,93	1,465,854	100,536	1,831	380,381	68,356
Third.....	2,130,461	524,601	1,063,864	53,050	83,584	369,697	35,665
Fourth.....	2,411,554	321,316	1,021,971	365,521	98,400	555,764	48,582
Fifth.....	2,705,468	1,239,043	817,449	13,662	153,020	459,149	23,145
Sixth.....	5,840,028	1,420,783	2,475,001	292,746	229,469	1,267,289	154,740
Seventh.....	7,173,183	1,357,124	3,652,736	165,329	117,712	1,464,632	415,650
Eighth.....	7,930,813	1,318,495	4,066,879	260,606	277,264	1,699,077	308,492
Ninth.....	6,242,678	1,789,767	2,006,993	512,018	508,070	1,140,315	285,515
Tenth.....	8,449,749	1,942,578	2,557,871	626,736	1,250,428	1,623,542	448,594
Shipping mines.....	47,809,730	10,367,687	20,671,250	2,593,586	2,764,215	9,563,746	1,849,246
Local mines.....	1,462,722	856,853	495,313	750	23,905	77,168	8,733
Totals.....	49,272,452	11,224,540	21,166,563	2,594,336	2,788,120	9,640,914	1,857,997

Table 26 gives the percentages of the several grades, drawn from table 25. The first, second, seventh and eighth districts each show over fifty per cent classed as lump coal.

Mine run and lump coal of the shipping mines represent 64.9 per cent of the total product, last year these grades stood for 66.7 per cent.

TABLE 26—*Percentages of Total Output of the Different Grades of Coal, Shipping and Local Mines, by Districts.*

DISTRICTS.	Per cent of total output.	PERCENTAGES OF THE DIFFERENT GRADES OF COAL.					
		Mine run.	Lump.	Egg.	Nut.	Pea or scree'gs.	Slack or waste.
First.....	5.79	11.33	53.71	8.34	1.60	22.80	2.22
Second.....	4.52	6.50	67.95	4.66	.09	17.63	3.17
Third.....	4.46	24.62	49.94	2.49	3.93	17.35	1.67
Fourth.....	5.05	13.32	42.38	15.16	4.08	23.05	2.01
Fifth.....	5.64	45.80	30.21	.50	5.66	16.97	.86
Sixth.....	12.22	24.33	42.38	5.01	3.93	21.70	2.65
Seventh.....	15.01	18.90	50.92	2.31	1.65	20.42	5.80
Eighth.....	16.59	16.63	51.29	3.28	3.50	21.42	3.88
Ninth.....	13.06	28.67	32.12	8.22	8.14	18.27	4.58
Tenth.....	17.66	22.99	30.26	7.42	14.80	19.22	5.31
Shipping mines.....	100.00	21.69	43.24	5.42	5.78	20.00	3.87
Local mines.....	100.00	58.58	33.86	.05	1.63	5.28	.60

Table 27 gives the total tons of all mines, with the tonnage of the different grades for a series of nine years. These totals are supplemented in the same table by the percentages of each grade for the same years.

TABLE 27.—*Total Output of the Different Grades of Coal, all Mines, for Nine Years with Percentages.*

YEAR.	Total output tons.	TONS OF THE DIFFERENT GRADES OF COAL.					
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack or waste.
1900.....	25,153,929	5,554,417	13,927,899	495,637	1,323,582	2,811,520	1,040,874
1901.....	26,635,319	6,882,740	13,321,124	486,596	1,217,127	3,217,127	1,060,141
1902.....	30,021,300	6,986,204	15,041,673	680,985	1,586,456	4,604,232	1,121,750
1903.....	34,955,400	10,373,098	15,874,509	995,163	1,755,704	4,540,431	1,416,495
1904.....	37,077,897	10,627,904	16,888,010	1,014,700	1,602,383	5,751,570	1,193,330
1905.....	37,183,374	9,248,558	16,819,321	1,716,219	2,036,152	6,247,511	1,115,613
1906.....	38,317,581	9,777,905	16,878,088	1,850,427	1,931,988	6,622,087	1,257,086
1907.....	47,798,621	11,628,302	20,599,509	2,469,442	2,625,306	9,138,044	1,338,018
1908.....	49,272,452	11,224,540	21,166,563	2,594,336	2,788,120	9,640,914	1,857,979
Percentages—							
1900.....		22.08	55.37	1.97	5.26	11.18	4.14
1901.....		25.84	50.01	1.83	4.57	13.77	3.98
1902.....		23.27	50.10	2.27	5.28	15.34	3.74
1903.....		29.70	45.41	2.84	5.02	12.98	4.05
1904.....		28.66	45.55	2.74	4.32	15.51	3.23
1905.....		24.87	45.23	4.62	5.48	16.80	3.00
1906.....		25.52	44.04	4.83	5.04	17.28	3.28
1907.....		24.33	43.09	5.17	5.49	19.12	2.80
1908.....		22.78	42.96	5.27	5.66	19.57	3.76

MINES, MEN AND TONS.

Table 28 is the record of the number of counties producing coal, and all mines, men and tons for twenty-seven years. The tonnage is shown in lump and other grades, with the percentages of each for the past nineteen years. This year shows an increase in tonnage of over 110 per cent, compared with that of ten years ago. The tonnage of lump coal reported shows a slight decline during the past five years, and a corresponding increase of other grades.

TABLE 28—*Output of the State for 27 Years and the Mines and Men Producing the Same.*

YEAR.	NUMBER OF—				TONS OF—		PERCENTAGE OF—	
	Counties.	Mines.	Men.	Tons.	Lump.	Other grades.	Lump.	Other grades.
1882.....	43	704	20,290	11,017,069	9,115,653	1,901,506	.....	.....
1883.....	47	639	23,939	12,123,456	10,030,991	2,092,465	.....	.....
1884.....	49	741	25,575	12,208,075	10,101,005	2,107,070	.....	.....
1885.....	50	778	25,946	11,834,459	9,791,874	2,402,585	.....	.....
1886.....	50	787	25,846	11,175,241	9,246,435	1,928,806	.....	.....
1887.....	49	801	26,804	12,423,066	10,278,890	2,144,176	.....	.....
1888.....	50	822	29,410	14,328,181	11,855,188	2,472,993	.....	.....
1889.....	49	854	30,076	14,017,298	11,597,963	2,419,335	.....	.....
1890.....	57	936	28,574	15,274,727	12,638,364	2,636,363	82.74	17.26
1891.....	57	918	32,951	15,660,698	12,960,224	2,700,474	82.76	17.24
1892.....	55	839	33,632	17,862,276	14,730,963	3,131,313	82.47	17.53
1893.....	56	788	35,390	19,949,564	16,112,899	3,836,665	80.77	19.23
1894.....	56	836	38,477	17,113,576	13,865,284	3,248,292	81.02	18.98
1895.....	54	874	38,630	17,735,864	14,045,962	3,689,902	79.25	20.75
1896.....	51	901	37,057	19,786,626	14,210,024	5,576,602	71.86	28.14
1897.....	50	853	33,788	20,072,758	14,672,241	5,400,517	73.10	26.90
1898.....	52	881	35,026	18,599,299	14,208,795	4,390,504	76.39	23.61
1899.....	52	889	36,991	23,434,445	17,427,598	6,006,847	74.37	25.63
1900.....	52	920	39,384	25,153,929	13,927,899	11,226,030	44.63	55.37
1901.....	53	915	44,143	26,635,319	13,321,124	13,314,195	50.01	49.99
1902.....	54	915	46,005	30,021,300	15,041,673	14,979,627	50.10	49.90
1903.....	53	933	49,814	34,955,400	15,874,509	19,080,891	45.41	54.59
1904.....	54	932	54,774	37,077,897	16,888,010	20,189,887	45.55	54.45
1905.....	56	990	59,230	37,183,374	16,819,321	20,364,053	45.23	54.77
1906.....	54	1,018	62,283	38,317,581	16,878,088	21,439,493	44.05	55.95
1907.....	55	933	66,714	47,798,621	20,599,509	27,199,112	43.10	56.90
1908.....	54	922	70,841	49,272,452	21,166,563	28,105,889	42.96	57.04

Table 29 shows the total number of men employed in producing the coal of the State for the past twenty-seven years, also the total tons of coal mined, with percentages of gain and loss during the series of years. Only four years show a decrease in the number of men employed, and five years in the number of tons produced.

TABLE 29—*Total Number of Men and Total Tons Produced with Percentages of Gain or Loss for Twenty-seven Years.*

YEAR.	Men.	Total output— tons.	PERCENTAGE OF MEN.		PERCENTAGE OF TONS.	
			Gain.	Loss.	Gain.	Loss.
1882.....	20,290	11,017,069	.....	.....	.....	.....
1883.....	23,939	12,123,451	17.98	.....	10.04	.....
1884.....	25,575	12,208,075	6.83	.....	.70	.....
1885.....	25,946	11,834,459	1.35	.....	.....	3.06
1886.....	25,846	11,175,241	.....	.39	.....	5.57
1887.....	26,804	12,423,066	3.71	.....	11.17	.....
1888.....	29,410	14,328,181	9.72	.....	15.34	.....
1889.....	30,076	14,017,298	2.26	.....	.....	2.17
1890.....	28,574	15,274,727	.....	4.99	8.97	.....
1891.....	32,951	15,660,698	15.32	.....	3.53	.....
1892.....	33,632	17,862,276	2.07	.....	14.06	.....
1893.....	35,390	19,949,564	5.23	.....	11.69	.....
1894.....	38,477	17,113,576	8.72	.....	.....	14.22
1895.....	38,630	17,735,864	.40	.....	3.64	.....
1896.....	37,057	19,786,626	.....	4.07	11.56	.....
1897.....	33,788	20,072,758	.....	8.82	1.45	.....
1898.....	35,026	18,599,299	3.66	.....	.....	.34
1899.....	36,991	23,434,445	5.61	.....	26.00	.....
1900.....	39,384	25,153,929	6.47	.....	7.34	.....
1901.....	44,143	26,635,319	12.08	.....	5.89	.....
1902.....	46,005	30,021,300	4.22	.....	12.71	.....
1903.....	49,814	34,955,400	8.28	.....	16.44	.....
1904.....	54,774	37,077,897	9.96	.....	6.07	.....
1905.....	59,230	37,183,374	8.14	.....	.28	.....
1906.....	62,283	38,317,581	5.15	.....	3.05	.....
1907.....	66,714	47,798,621	7.11	.....	24.74	.....
1908.....	70,841	49,272,452	6.18	.....	3.08	.....

OUTPUT BY MONTHS—

Table 30 shows the tons of coal produced by shipping mines each five year this feature of the coal mining industry in the State, has been totals, by months, for the three years.

TABLE 30—*Total Output of Shipping Mines, Produced in Each Calendar*

COUNTIES. AND DISTRICTS.	Total tons.	1907—OUTPUT FOR THE MONTHS OF—					
		July.	August.	September.	October.	November.	December.
Grundy.....	1,146,924	102,875	115,802	103,574	124,357	111,356	106,650
Kankakee.....	17,801	1,584	1,759	1,378	1,508	1,988	1,600
LaSalle.....	1,447,406	107,299	127,187	129,782	153,110	145,012	146,844
Will.....	156,514	10,710	14,286	14,220	17,510	15,525	15,473
First District.....	2,768,645	222,468	259,034	248,954	296,485	273,881	270,567
Bureau.....	1,666,578	149,036	161,860	141,905	184,527	188,617	181,333
Henry.....	81,959	6,070	7,055	7,381	8,915	7,943	6,303
Mercer.....	394,353	31,061	36,789	37,782	44,015	42,941	37,259
Rock Island.....	14,261	497	1,230	1,239	1,486	1,692	1,656
Second District.....	2,157,151	186,664	206,934	188,307	238,943	241,193	226,551
Livingston.....	239,335	11,755	20,746	22,785	29,213	29,292	26,180
Peoria.....	922,120	66,169	80,731	86,975	112,958	102,821	92,665
Putnam.....	403,136	34,336	38,986	31,463	39,531	33,258	38,567
Marshall.....	402,730	38,894	43,569	39,006	42,526	40,445	38,747
Woodford.....	163,140	13,349	15,458	14,593	17,843	16,580	15,838
Third District.....	2,130,461	164,498	199,490	194,822	242,071	222,396	211,999
Fulton.....	2,081,055	58,319	180,747	177,347	220,541	229,148	213,561
Hancock.....	4,250	350	400	350	400	340	250
McDonough.....	11,864	1,436	1,531	1,466	2,115	1,586	1,084
McLean.....	122,416	7,382	11,166	7,278	17,133	13,563	10,323
Tazewell.....	191,969	15,512	16,718	13,708	17,608	17,387	20,474
Fourth District.....	2,411,554	182,999	210,562	200,149	261,397	258,424	245,692
Macon.....	237,636	10,248	17,578	24,795	30,950	30,591	25,103
Vermilion.....	2,467,832	218,132	242,473	226,491	267,946	193,357	246,263
Fifth District.....	2,705,468	228,380	260,051	251,286	298,896	224,948	271,366

SHIPPING MINES.

month, in every county, during the fiscal year. This is the third success-
presented in these reports. The last three lines of the table give the

Month, by Counties and Districts, from July 1, 1907, to June 30, 1908.

1908—OUTPUT FOR THE MONTHS OF—						COUNTIES AND DISTRICTS.
January	February	March.	April.	May.	June.	
112,531	108,146	125,194	.....	48,480	87,959	Grundy.....
1,511	2,489	2,671	.....	549	764	Kankakee.....
155,028	161,379	164,280	4,811	56,654	96,020	LaSalle.....
18,314	15,468	18,677	.....	5,202	11,129	Will.....
287,384	287,482	310,822	4,811	110,885	195,872	First District.....
161,051	179,705	206,282	247	29,993	82,022	Bureau.....
6,072	8,262	8,512	6,106	5,297	4,043	Henry.....
37,695	36,229	43,749	164	14,315	32,354	Mercer.....
1,724	1,468	1,933	.....	666	670	Rock Island.....
206,542	225,664	260,476	6,517	50,271	119,089	Second District.....
24,343	25,789	23,274	1,846	5,522	18,590	Livingston.....
86,427	84,671	108,490	10,433	30,403	59,377	Peoria.....
41,680	30,592	46,518	9,000	14,284	44,921	Putnam.....
41,333	40,498	43,471	570	7,883	25,783	Marshall.....
15,031	15,575	21,093	.....	7,266	10,519	Woodford.....
208,814	197,125	242,846	21,849	65,363	159,190	Third District.....
208,641	201,821	265,639	2,240	68,756	154,296	Fulton.....
300	400	365	365	365	365	Hancock.....
1,674	972	.....	.....	.....	.....	McDonough.....
13,447	14,842	14,426	2,498	4,467	5,891	McLean.....
24,232	22,626	22,632	4,478	6,769	9,855	Tazewell.....
248,294	240,661	303,032	9,581	80,357	170,407	Fourth District.....
27,604	28,705	25,830	3,591	5,245	7,396	Macon.....
237,999	240,219	300,568	1,379	121,892	170,113	Vermillion.....
265,603	268,924	326,398	4,970	127,137	177,509	Fifth District.....

Table 30—

COUNTIES AND DISTRICTS.	Total tons.	1907—OUTPUT FOR THE MONTHS OF—					
		July.	August.	September	October.	November.	December.
Logan.....	430,010	21,480	31,553	44,333	64,030	58,715	38,294
Menard.....	370,684	24,494	23,409	29,932	49,071	47,969	39,204
Sangamon.....	5,039,334	308,516	392,698	445,977	577,950	616,683	515,420
Sixth District.....	5,840,028	354,490	447,660	519,242	691,051	723,367	592,918
Christian.....	1,423,323	83,619	99,831	137,427	176,361	161,005	142,776
Macoupin.....	4,210,986	351,939	381,520	357,470	413,110	422,451	412,599
Montgomery.....	1,380,668	90,988	92,521	119,553	134,691	150,370	139,151
Shelby.....	158,206	8,311	10,012	13,610	17,083	16,938	16,599
Seventh District.....	7,173,183	434,847	583,884	628,060	741,245	750,764	811,125
Bond.....	103,518	11,638	12,573	11,009	18,496	14,920	6,601
Madison.....	3,547,083	237,646	313,308	360,403	422,323	385,447	323,438
St. Clair.....	4,280,212	295,838	323,803	419,225	527,555	519,136	424,358
Eighth District.....	7,930,813	545,112	649,684	790,637	968,374	919,503	754,497
Clinton.....	1,152,670	93,239	110,574	107,871	135,287	131,338	124,563
Franklin.....	1,678,195	120,101	115,543	101,653	154,482	147,185	149,866
Marion.....	954,925	81,047	84,327	76,023	93,018	84,085	86,129
Perry.....	1,605,125	140,173	143,889	144,239	179,678	160,109	161,394
Randolph.....	756,735	65,435	65,519	68,463	83,320	84,727	74,292
Washington.....	75,548	4,902	4,992	8,133	11,085	11,444	8,189
White.....	19,480	992	1,327	2,205	3,020	2,304	2,112
Ninth District.....	6,242,678	505,889	526,171	508,587	659,890	621,192	606,545
Gallatin.....	52,544	4,776	4,776	4,776	4,776	4,776	4,784
Jackson.....	616,238	62,824	66,669	54,943	66,381	61,028	66,240
Saline.....	2,465,602	179,140	199,943	192,090	228,537	239,705	239,757
Williamson.....	5,315,365	472,676	497,686	440,764	580,968	556,629	535,038
Tenth District.....	8,449,749	719,416	769,074	692,573	880,662	862,138	845,819
The State.....	47,809,730	3,544,763	4,112,544	4,222,617	5,279,014	5,097,806	4,837,077
The State 1907.....	46,436,839	2,884,310	3,244,518	3,478,829	4,282,628	4,343,762	4,613,382
The State 1906.....	37,096,945	1,891,717	2,840,419	3,117,045	3,578,312	3,880,503	4,178,029

Concluded.

1908—OUTPUT FOR THE MONTHS OF—						COUNTIES AND DISTRICTS.
January.	February.	March.	April.	May.	June.	
35,983	41,509	60,236	227	9,059	23,591	Logan.....
40,254	43,801	40,988	6,056	15,175	12,331	Menard.....
448,729	489,770	711,922	5,044	208,832	317,793	Sangamon.....
524,966	575,080	813,146	11,327	233,066	353,715	Sixth District.....
122,359	139,097	205,119	.....	60,841	94,888	Christian.....
371,321	410,656	554,227	640	179,422	355,641	Macoupin.....
133,254	152,460	175,991	.....	88,685	103,004	Montgomery.....
14,945	15,576	19,538	.....	8,149	17,445	Shelby.....
641,879	717,789	954,875	640	337,097	570,978	Seventh District.....
6,734	4,875	8,122	564	3,305	4,582	Bond.....
317,303	338,896	439,260	2,436	162,974	243,648	Madison.....
379,862	356,517	560,884	22,148	182,522	268,374	St. Clair.....
703,899	700,288	1,008,266	25,148	348,801	516,604	Eighth District.....
121,346	99,679	148,458	.....	20,682	59,633	Clinton.....
137,631	184,054	222,370	52,020	118,960	174,330	Franklin.....
98,606	93,575	106,294	3,205	59,522	89,094	Marion.....
143,540	129,767	210,083	.....	71,777	120,476	Perry.....
71,447	59,454	97,697	.....	37,045	49,336	Randolph.....
5,613	7,521	9,687	.....	1,901	2,081	Washington.....
1,912	1,756	1,917	.....	627	1,308	White.....
580,095	575,806	796,506	55,225	310,514	496,258	Ninth District.....
4,776	4,776	4,776	.....	4,776	4,776	Gallatin.....
46,968	52,040	56,820	.....	31,416	50,789	Jackson.....
216,586	208,717	323,911	572	151,359	285,304	Saline.....
472,476	512,174	653,320	.....	230,812	362,923	Williamson.....
740,806	777,707	1,038,827	572	418,363	703,792	Tenth District.....
4,408,282	4,566,526	6,055,194	140,640	2,081,853	3,463,414	The State 1908
4,852,163	4,254,985	5,731,138	3,572,474	3,784,770	3,393,880	The State 1907
4,288,706	4,336,350	5,378,459	392,382	659,019	2,556,004	The State 1906

Table 31 shows the percentages of coal produced in each district during each month of the fiscal year. At the foot of the table the percentages are shown for each month of the year, also for the two previous years. The largest monthly per cent of the output for this year was for March, and naturally so, as a suspension of operations April 1, was anticipated pending a new agreement between miners and operators.

Aside from the output in March, the highest per cent for the year was reached in October, followed closely by the output in November and December. These three months accounting for thirty-two per cent of the total output for this year.

TABLE 31—*Percentages of the Total Output Mined in each Month by Districts.*

DISTRICTS.	Total output reported by months.	PERCENTAGES OF THE TOTAL OUTPUT MINED IN EACH DISTRICT DURING THE MONTH OF—											
		1907.						1908.					
		July	August	September.	October.	November.	December.	January.	February	March.	April.	May.	June.
First.....	2,768,645	8.03	9.32	8.98	10.71	9.86	9.47	10.38	10.37	11.23	0.17	4.40	7.08
Second.....	2,157,151	8.55	9.60	8.73	11.08	11.27	10.51	9.58	10.46	12.07	0.30	2.33	5.52
Third.....	2,130,461	7.80	9.40	9.14	11.32	10.43	9.95	9.80	9.25	11.35	1.02	3.07	7.47
Fourth.....	2,411,554	7.59	8.73	8.30	10.84	10.72	10.15	10.30	9.98	12.59	0.40	3.33	7.07
Fifth.....	2,705,468	8.44	9.61	9.29	11.05	8.31	10.05	9.81	9.94	12.06	0.18	4.70	6.56
Sixth.....	5,840,028	6.07	7.67	8.89	11.83	12.38	10.15	8.99	9.87	13.92	0.19	3.98	6.06
Seventh.....	7,173,183	6.06	8.14	8.76	10.33	10.40	11.31	8.95	10.01	13.31	0.09	4.70	7.94
Eighth.....	7,930,813	6.86	8.19	9.91	12.31	11.59	9.51	8.88	8.83	12.71	0.31	4.39	6.51
Ninth.....	6,242,678	8.10	8.48	8.11	10.57	9.95	9.72	9.29	9.22	12.76	0.88	4.97	7.95
Tenth.....	8,449,749	8.51	9.10	8.20	10.42	10.20	10.01	8.71	9.21	12.29	0.07	4.95	8.33
The State 1908.....	47,809,730	7.41	8.60	8.83	11.04	10.67	10.12	9.22	9.55	12.67	0.29	4.38	7.22
The State 1907.....	46,436,839	6.21	6.99	7.49	9.22	9.35	9.44	10.45	9.16	8.04	7.69	8.15	7.31
The State 1906.....	37,096,945	5.10	7.66	8.40	9.64	10.46	11.26	11.56	11.69	14.50	1.06	1.78	6.89

Table 32 gives, by districts, the tons of coal produced for the first and second six months for the present year with percentages, and at the bottom of the table, the same for the State for the year and the past two years. All of the districts show a much larger per cent of output for the first six months, the falling off in production for the second six months ranges from ten per cent in the ninth district to twenty per cent in the second, and for the State thirteen per cent.

TABLE 32—*Tons and Percentages of Output for the First and Second Six Months of the Fiscal Year, 1908.*

DISTRICTS.	OUTPUT SIX MONTHS JULY 1, TO DEC. 31.		OUTPUT SIX MONTHS JAN. 1, TO JUNE 30.	
	Tons.	Per cent.	Tons.	Per cent.
First.....	1,571,389	56.75	1,197,256	43.42
Second.....	1,288,592	59.73	868,595	40.27
Third.....	1,235,274	57.98	895,187	42.02
Fourth.....	1,359,223	56.51	1,052,331	43.49
Fifth.....	1,534,927	57.74	1,170,541	43.27
Sixth.....	3,328,728	57.00	2,511,300	43.00
Seventh.....	3,949,925	55.07	3,223,258	44.94
Eighth.....	4,627,807	58.36	3,303,006	41.65
Ninth.....	3,428,274	54.92	2,814,404	45.24
Tenth.....	4,769,282	56.45	3,680,027	43.55
The State 1908.....	27,093,821	56.67	20,715,909	43.33
The State 1907.....	22,847,429	49.20	23,589,410	50.80
The State 1906.....	19,486,025	52.53	17,610,920	47.47

HAULAGE IN MINES.

Table 33 shows for the shipping mines, by districts, the different methods of delivering the coal to the bottom of the mines. The number of mines using motor haulage this year was eighty-eight, this is thirteen or 17.3 per cent more than last year, the number of motors in use was 185, this is fifty-six or 43.4 per cent more than last year. The power used in the 407 shipping mines for hauling the coal, and the tons hauled the past year was, by motors, 21.6 per cent of the mines and 39.8 per cent of the coal; by cable, 7.9 per cent of the mines and 6.8 per cent of the coal; by mules, 69.5 per cent of the mines and 53.3 per cent of the coal; by hand one per cent of the mines and one tenth of 1 per cent of the coal.

TABLE 33—*Haulage of Coal in the Shipping Mines of the State, by Districts—1908.*

DISTRICT.	Number of mines.	MOTORS.		CABLE.		MULE.		HAND.	
		Number	Kind.	Tons.	Number of mines.	Tons.	Number of mines.	Tons.	Number of mines.
First.....					2	261,879	27	2,506,766	.....
Second.....	1	2	Electric....	123,807	3	394,353	10	1,629,139	1 9,852
Third.....	5	11	do.....	565,787	3	205,889	18	1,358,785	.....
Fourth.....	5	8	do.....	859,282	7	594,311	22	939,135	3 18,826
Fifth.....	6	17	do.....	1,472,900	3	300,330	9	932,238	.....
Sixth.....	8	17	do.....	1,587,607	8	762,194	30	3,490,227	.....
Seventh.....	16	31	*Electric	3,808,044	1	264,499	20	3,100,640	.....
Eighth.....	13	20	Electric ..	2,969,646	1	42,510	61	4,918,657	.....
Ninth.....	18	48	†Electric...	3,799,767	.....	.....	38	2,442,911	.....
Tenth.....	16	31	Electric....	3,837,825	4	447,788	48	4,164,136	.....
The State 1908.....	88	185	.....	19,024,665	32	3,273,753	283	25,482,634	4 28,678
The State 1907.....	75	129	.....	16,542,575	25	2,864,241	303	26,689,533	5 46,865

* Four compressed air.

† Three gasoline.

Table 34 gives a list of the mines and location by districts, in which motor haulage is employed, also the number and name of motors in use, and the tons hauled at each mine.

Of the eighty-eight mines in which motors have been installed 71.6 per cent are located in the seventh, eighth, ninth and tenth districts; of the 185 motors in use 130 or 70.3 per cent were employed in the same districts, and hauled 75.8 per cent of the coal. Table 35 presents the number and kind of motors in use. There are nine different styles of these machines. The number of motors in use this year was 185, this is fifty-six or 43.4 per cent more than last year; of the total number in use the past year 178 were electric, four condensed air and three gasoline.

TABLE 34—*Shipping Mines Using Motor Haulage, with Name and Number of Motors in Use, Kind in Use and Tons Hauled—1908.*

DISTRICT AND OPERATOR	Location.	MOTORS.		Tonnage.
		Name.	Kind.	
The State—88 mines.....	.....	185 motors.....	.....	19,024,666
Second District—1 mine .....	.....	2 motors.....	.....	123,807
1 Marquette 3d Vein Coal Co.	Marquette.....	2 Goodman.....	Electric....	123,807
Third District—5 mine.....	.....	11 motors.....	.....	565,787
1 Clarke Coal & Coke Co. No. 1....	Peoria.....	2 Goodman.....	Electric....	189,215
2 Clarke Coal & Coke Co. No. 2....	do.....	3 Goodman.....	do.....	176,697
3 Wolschlag Coöperative Co.....	do.....	{ 1 Goodman..... 1 Jeffrey..... }	do.....	89,323
4 Scholl Bros. No. 3.....	do.....	3 Morgan-Gardner.....	do.....	83,341
5 Howard & Taylor.....	Edwards.....	1 Jeffrey.....	do.....	27,211
Fourth District—5 mines.....	.....	8 motors.....	.....	859,282
1 Big Creek Coal Co. No. 2.....	St. David.....	{ 1 Goodman..... 1 Jeffrey..... }	Electric....	221,521
2 Big Creek Coal Co. No. 4.....	Dunfermline....	1 Jeffrey.....	do.....	218,647
3 Monmouth Coal Co. No. 1.....	Brereton.....	1 Goodman.....	do.....	206,747
4 Maplewood Coal Co. No. 1.....	Farmington....	2 Westinghouse.....	do.....	148,434
5 Newsam Bros.....	do.....	2 Goodman.....	do.....	63,933
Fifth District—6 mines.....	.....	17 motors.....	.....	1,472,900
1 Kelley Coal Co. No. 44.....	Westville.....	{ 2 General Electric.. 1 Goodman..... }	Electric....	430,626
2 Dering Coal Co. No. 2.....	do.....	{ 1 Morgan-Gardner.. 3 Westinghouse..... }	do.....	380,187
3 Dering Coal Co. No. 3.....	do.....	2 Morgan-Gardner.....	do.....	317,289
4 Kelley Coal Co. No. 42.....	do.....	3 Goodman.....	do.....	180,965
5 Kelley Coal Co. No. 46.....	Himrod.....	3 Goodman.....	do.....	148,833
6 Danville Colliery Co.....	Catlin.....	2 Brock & Brinkman 3rd rail.....	do.....	15,000

Table 34—Continued.

	DISTRICT AND OPERATORS.	Location.	MOTORS.		Tonnage.
			Name.	Kind.	
	Sixth District—8 mines.....		17 motors.....		1,587,607
1	Chic., Wil. & Ver.—C. Co. No. 1	Thayer.....	{ 2 Morgan-Gardner.. 2 Goodman..... }	Electric....	368,548
2	Madison Coal Corp.—No. 6.....	Divernon.....	2 Goodman.....	do.....	335,799
3	Springfield Collieries Co.....	Springfield.....	1 Jeffrey.....	do.....	257,174
4	Black Diamond Coal Co.....	Auburn.....	{ 2 Jeffrey..... 1 Goodman..... }	do.....	253,621
5	Barclay Coal Mining Co.....	Springfield.....	2 Morgan 3d rail.....	do.....	102,592
6	West End Coal Co.....	do.....	{ 1 Goodman..... 1 Jeffrey..... }	do.....	98,358
7	Athens Mining Co. No. 2.....	Athens.....	1 Goodman.....	do.....	86,178
8	Illinois Collieries Co.....	Springfield.....	2 Goodman.....	do.....	85,337
	Seventh District—16 mines.....		31 motors.....		3,808,044
1	Superior Coal Co. No. 1.....	Gillespie.....	4 H. H. Porter.....	Cond. Air..	566,670
2	Superior Coal Co. No. 2.....	Sawyer ville.....	3 Jeffrey.....	Electric....	554,923
3	Superior Coal Co. No. 3.....	Gillespie.....	3 Jeffrey.....	do.....	509,927
4	Shoal Creek Coal Co. No. 1.....	Panama.....	1 Goodman.....	do.....	293,127
5	Springfield Coal Co. No. 6.....	Taylorville.....	2 Goodman.....	do.....	274,337
6	Illinois Collieries Co. No. 1.....	Virden.....	2 General Electric.....	do.....	208,837
7	Consolidated Coal Co. No. 8.....	Mt. Olive.....	2 General Electric.....	do.....	199,222
8	Pana Coal Co. No. 1.....	Pana.....	2 Goodman.....	do.....	197,281
9	Pana Coal Co. No. 2.....	do.....	1 Goodman.....	do.....	193,628
10	Smith-Lohr Coal Co. No. 1.....	do.....	1 Jeffrey.....	do.....	142,283
11	Vivian Coal Co.....	Green Ridge.....	1 Morgan-Gardner.....	do.....	164,897
12	Consolidated Coal Co. No. 10....	Mt. Olive.....	3 Goodman.....	do.....	132,116
13	Penwell Coal Mining Co.....	Pana.....	3 Goodman.....	do.....	126,808
14	Clover Leaf Coal Co. No. 2.....	Coffeen.....	1 Morgan-Gardner.....	do.....	90,902
15	Assumption Coal Co.....	Assumption.....	1 Goodman.....	do.....	89,210
16	Moweaqua Coal Co.....	Moweaqua.....	1 Goodman.....	do.....	63,840

Table 34—Continued.

	DISTRICT AND OPERATORS.	Location.	MOTORS.		Tonnage.
			Name.	Kind.	
	Eighth District—13 mines.....		20 motors.....		2,969,646
1	New Staunton Coal Co.....	Livingston.....	2 Goodman.....	Electric.....	530,159
2	Donk Bros. Coal & C. Co. No. 1.....	Donkville.....	2 Goodman.....	do.....	440,613
3	St. Louis & O'Fallon C. Co. No. 2.....	Belleville.....	2 Goodman.....	do.....	378,409
4	Donk Bros. Coal & C. Co. No. 2.....	Maryville.....	2 General Electric.....	do.....	351,995
5	Mt. Olive & Staunton C. Co. No. 1.....	Staunton.....	2 Goodman.....	do.....	325,254
6	St. Louis & O'F. C. Co. No. 1.....	Belleville.....	2 Goodman.....	do.....	278,817
7	Donk Bros. Coal & C. Co. No. 3.....	Troy.....	2 Goodman.....	do.....	241,274
8	Jos. Taylor Coal Co., St. Ellans.....	O'Fallon.....	1 Jeffrey.....	do.....	131,500
9	Jos. Taylor C. Co., Ridge Prairie.....	do.....	1 Jeffrey.....	do.....	118,700
10	International Coal & M. Co.....	do.....	1 Jeffrey.....	do.....	65,906
11	Johnson Coal Co., O. K.....	Marissa.....	1 Goodman.....	do.....	38,244
12	Bessemer Washed C. Co., Tirie.....	Lenzburg.....	1 Goodman.....	do.....	37,312
13	Glendale C. & M. Co.....	Belleville.....	1 Goodman.....	do.....	31,463
	Ninth District—18 mines.....		48 motors.....		3,799,767
1	Zeigler Coal Co.....	Zeigler.....	{ 4 Jeffrey..... 11 Westinghouse..... }	Electric.....	522,722
2	Southern Coal Co. No. 9.....	New Baden.....	2 Goodman.....	do.....	333,912
3	Centralia Coal Co. No. 2.....	Centralia.....	2 Jeffrey.....	do.....	288,753
4	Centralia Coal Co. No. 4.....	do.....	3 Goodman.....	do.....	252,659
5	Dering Coal Co. No. 11.....	W. Frankfort..	2 Morgan-Gardner.....	do.....	251,400
6	Majestic Coal Co. No. 1.....	Clinch.....	3 Ellison.....	Gasoline....	245,513
7	Breese-Trenton M. Co. No. 1.....	Breese.....	2 Jeffrey.....	Electric.....	238,246
8	Willis Coal & M. Co. No. 6.....	Percy.....	1 Goodman.....	do.....	216,701
9	Paradise Coal & Coke Co. No. 1.....	Duquoin.....	2 Goodman.....	do.....	200,000
10	Odin Coal Co. No. 1.....	Odin.....	do.....	do.....	190,642
11	Centralia Coal Co. No. 3.....	Centralia.....	2 Goodman.....	do.....	180,471
12	United Coal Co.....	Christopher.....	2 Goodman.....	do.....	175,113
13	Willis Coal & Mining Co. No. 1..	Willisville.....	3 Goodman.....	do.....	166,070
14	Zeigler District Coal Co.....	Christopher.....	2 Morgan-Gardner.....	do.....	156,510
15	Trenton Mining Co.....	Trenton.....	1 Goodman.....	do.....	127,369
16	Missouri & Ill. Coal Co. No. 1..	Willisville.....	1 Goodman.....	do.....	100,929
17	Brilliant Coal & Coke Co.....	Duquoin.....	1 Goodman.....	do.....	94,515
18	Consolidated Coal Co.....	Breese.....	2 General Electric.....	do.....	58,242

Table 34—Concluded.

	DISTRICT AND OPERATOR.	Location.	MOTORS.		Tonnage.
			Name.	Kind.	
	Tenth District—16 mines.....	.....	31 motors.....	.....	3,837,825
1	Big Muddy Coal & I. Co. No. 8.	Clifford.....	2 Jeffrey.....	Electric....	413,709
2	Big Muddy Coal & I. Co. No. 7.	Herrin.....	2 Jeffrey.....	..do.....	412,495
3	Chicago & Carterville C. Co., A.	..do.....	3 Goodman.....	..do.....	409,147
4	Sunnyside Coal Co. No. 1.....	..do.....	3 Goodman.....	..do.....	397,525
5	Peabody Coal Co. No. 3.....	Marion.....	2 Goodman.....	..do.....	352,475
6	O'Gara Coal Co. No. 9.....	Harrisburg.....	2 Morgan-Gardner.....	..do.....	277,409
7	Chicago & B. M. C. & C. Co.....	Marion.....	1 Jeffrey.....	..do.....	250,858
8	Western Coal & M. Co. No. 1....	Bush.....	3 General Electric.....	..do.....	238,619
9	Madison Coal Corporation No. 8.	Dewmain.....	2 Westinghouse.....	..do.....	213,826
10	O'Gara Coal Co. No. 4.....	Harrisburg.....	2 Morgan-Gardner.....	..do.....	193,664
11	O'Gara Coal Co. No. 16.....	Eldorado.....	1 Morgan-Gardner.....	..do.....	161,783
12	Peabody Coal Co. No. 2.....	Marion.....	2 Goodman.....	..do.....	137,230
13	O'Gara C. Co., No. 8.....	Eldorado.....	1 Morgan-Gardner.....	..do.....	125,678
14	B. M. C. & I. Co., Harrison....	Murphysboro..	2 Goodman.....	..do.....	109,176
15	Chicago-Herrin C. Co. No. 1....	Herrin.....	1 Jeffrey.....	..do.....	85,471
16	B. M. C. & I. Co. No. 9.....	Murphysboro..	2 Goodman.....	..do.....	58,760

TABLE 35—*Name and Number of Motors in Use, by Districts—1908.*

DISTRICTS.	Brock and Brinckman.	Ellison.	General electric.	Goodman.	Jeffrey.	Morgan 3d rail.	Morgan-Gardner.	Porter, H. H.	Westinghouse.	Total.
Second.....				2						2
Third.....				6	2		3			11
Fourth.....				4	2				2	8
Fifth.....	2		2	7			3		3	17
Sixth.....				9	4	2	2			17
Seventh.....			4	14	7		2	4		31
Eighth.....			2	15	3					20
Ninth.....		3	2	20	8		4		11	48
Tenth.....			3	14	6		6		2	31
The State.....	2	3	13	91	32	2	20	4	18	185
1907.....			3	69	27	3	9	1	17	129

COUNTIES OF

Table 36 shows a list of counties, each of which has produced annually, holds first place with 5,367,140 tons output for the year, it held first rank the same as for the past two years; previous to 1906 this county ranked have appeared in this classification. Eight of them show an output this ties is ninety-three per cent of the total production of the State.

TABLE CF—*Relative Rank of Counties Producing 500,000*

County.	Rank.	Tonnage 1908	Rank.	Tonnage 1907	Rank.	Tonnage 1906	Rank.	Tonnage 1905	Rank.	Tonnage 1904
Williamson.....	1	5,367,140	1	5,266,452	3	3,927,189	2	3,815,751	4	3,038,466
Sangamon.....	2	5,082,626	2	4,876,621	2	4,155,431	1	4,395,050	1	4,516,385
St. Clair.....	3	4,413,639	3	4,435,070	1	4,168,019	3	3,398,032	2	3,418,479
Macoupin.....	4	4,224,865	4	4,227,267	4	3,241,087	6	2,530,840	6	2,221,474
Madison.....	5	3,584,106	5	3,573,163	5	3,031,553	4	2,987,906	5	3,030,892
Vermilion.....	6	2,659,762	6	3,019,934	6	2,012,835	5	2,618,375	3	3,114,060
Saline.....	7	2,482,677	10	1,711,825	18	601,979	.....	.....	.....	.....
Fulton.....	8	2,141,489	7	1,993,401	8	1,593,793	9	1,439,489	10	1,284,279
Bureau.....	9	1,688,528	8	1,891,900	9	1,547,456	7	1,751,875	7	1,832,577
Franklin.....	10	1,678,195	18	863,165	.....	.....	.....	.....	.....	.....
LaSalle.....	11	1,626,931	11	1,644,686	7	1,595,327	8	1,696,853	8	1,773,187
Perry.....	12	1,610,411	9	1,743,922	10	1,443,926	11	1,268,718	11	1,240,174
Christian.....	13	1,426,123	13	1,235,566	13	826,500	15	857,890	13	986,685
Montgomery.....	14	1,382,368	15	1,078,336	17	649,839	.....	.....	.....	.....
Grundy.....	15	1,174,482	12	1,327,197	11	1,170,625	10	1,326,109	9	1,405,158
Clinton.....	16	1,152,670	16	1,061,410	15	770,689	14	904,826	15	925,515
Peoria.....	17	1,054,673	17	1,027,023	12	844,484	13	904,892	14	939,737
Marion.....	18	954,925	14	1,084,783	14	826,280	12	1,086,350	12	1,083,734
Randolph.....	19	777,327	19	742,894	19	581,841	19	506,547	17	620,280
Jackson.....	20	637,090	20	705,363	16	759,962	16	802,101	16	862,641
Menard.....	.....	.....	.....	.....	20	536,273	.....	.....	19	543,763
Marshall.....	.....	.....	.....	.....	.....	.....	18	510,968	.....	.....
Mercer.....	.....	.....	.....	.....	.....	.....	17	544,220	18	601,508
Totals—Counties and tons.....	20	45,120,027	20	43,509,978	20	34,285,088	19	33,346,792	19	33,438,969

LARGEST OUTPUT.

500,000 tons of coal and over, for the past ten years. Williamson county last year with over 100,000 tons less. Sangamon county has second rank, first for six successive years. This is the third year that twenty counties year of over two million tons each. The total output of the twenty coun-

Tons of Coal or Over for a Series of Ten Years—1899-1908.

Rank.	Tonnage 1903	Rank.	Tonnage 1902	Rank.	Tonnage 1901	Rank.	Tonnage 1900	Rank.	Tonnage 1899	County.
4	2,551,587	6	1,956,271	6	1,605,969	9	1,133,607	9	1,078,755	Williamson.....
1	4,386,526	1	3,672,984	1	2,919,223	1	2,519,911	2	2,083,572	Sangamon.....
2	3,134,679	2	2,578,553	2	2,518,847	2	2,253,883	4	1,849,474	St. Clair.....
6	2,223,055	4	2,075,253	3	2,115,319	5	1,848,796	5	1,646,674	Macoupin.....
5	2,711,767	5	2,013,692	7	1,595,081	6	1,411,650	7	1,403,977	Madison.....
3	2,893,233	3	2,558,371	4	2,003,780	3	2,030,954	1	2,221,867	Vermillion.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Saline.....
10	1,036,496	10	889,779	14	646,400	14	665,439	13	601,084	Fulton.....
8	1,778,302	8	1,732,813	8	1,549,056	7	1,338,231	6	1,410,524	Bureau.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Franklin.....
7	1,877,555	7	1,894,510	5	1,833,561	4	2,027,864	3	1,975,939	LaSalle.....
11	1,031,751	14	789,625	13	664,278	13	680,653	10	879,422	Perry.....
14	926,563	15	725,088	16	578,482	15	652,662	14	572,459	Christian.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Montgomery.....
9	1,457,935	9	1,383,336	9	1,293,992	8	1,299,863	8	1,280,332	Grundy.....
16	870,518	16	724,462	15	644,664	16	535,601	.....	.....	Clinton.....
17	920,716	13	824,270	12	710,582	12	727,737	12	744,693	Peoria.....
12	1,002,047	11	881,821	11	829,326	11	840,814	.....	.....	Marion.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Randolph.....
13	972,284	12	853,056	10	911,245	10	883,311	11	875,711	Jackson.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Menard.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Marshall.....
17	648,070	17	602,722	17	563,603	17	501,065	.....	.....	Mercer.....
17	30,423,084	17	26,156,511	17	22,982,499	17	21,383,041	14	18,624,488	Totals—Counties and tons.

COUNTIES PRODUCING COAL

Table 37 shows for all the counties producing coal, the total number of mines, men and tons, and a like record for the shipping and local mines.

TABLE 37—*Coal Producing Counties of the State, Showing Number of District, Mines, Men and Tons, for all Mines, also for Shipping Mines and Local Mines—1908.*

Number.	COUNTY.	District.	ALL MINES.			SHIPPING MINES.			LOCAL MINES.		
			Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
1	Bond.....	8	3	250	103,518	3	250	103,518	.....	.....	.....
2	Brown.....	6	2	3	400	.....	.....	.....	2	3	400
3	Bureau.....	2	16	4,421	1,688,528	8	4,359	1,666,578	8	62	21,950
4	Calhoun.....	7	1	22	2,407	.....	.....	.....	1	22	2,407
5	Cass.....	6	1	5	800	.....	.....	.....	1	5	800
6	Christian.....	7	9	1,852	1,426,123	8	1,837	1,423,323	1	15	2,800
7	Clinton.....	9	7	1,488	1,152,670	7	1,488	1,152,670	.....	.....	.....
8	Edgar.....	5	1	5	4,971	.....	.....	.....	1	5	4,971
9	Franklin.....	9	10	1,918	1,678,195	10	1,918	1,678,195	.....	.....	.....
10	Fulton.....	4	85	3,366	2,141,489	27	3,146	2,081,055	58	220	60,434
11	Gallatin.....	10	9	111	75,322	1	81	52,544	8	30	22,778
12	Greene.....	7	4	35	15,564	.....	.....	.....	4	35	15,564
13	Grundy.....	1	20	2,540	1,174,482	9	2,438	1,146,924	11	102	27,558
14	Hancock.....	4	4	20	6,686	1	9	4,250	3	11	2,436
15	Henry.....	2	30	368	147,482	3	168	81,959	27	200	65,523
16	Jackson.....	10	23	1,165	637,090	11	1,114	616,238	12	51	20,852
17	Jefferson.....	9	2	50	25,045	.....	.....	.....	2	50	25,045
18	Johnson.....	10	2	8	2,896	.....	.....	.....	2	8	2,896
19	Kankakee.....	1	1	52	17,801	1	52	17,801	.....	.....	.....
20	Knox.....	2	39	174	44,070	.....	.....	.....	39	174	44,070
21	LaSalle.....	1	38	3,744	1,626,931	16	3,435	1,447,406	22	309	179,525
22	Livingston.....	3	8	453	302,342	2	354	239,335	6	99	68,007
23	Logan.....	6	4	761	430,010	4	761	430,010	.....	.....	.....
24	Macon.....	5	4	443	237,636	4	443	237,636	.....	.....	.....
25	Macoupin.....	7	27	5,009	4,224,865	18	4,972	4,210,986	9	37	13,879
26	Madison.....	8	32	4,034	3,584,106	16	3,924	3,547,083	16	110	37,023
27	Marion.....	9	5	1,179	954,925	5	1,179	954,925	.....	.....	.....
28	Marshall.....	3	10	961	423,029	3	907	402,730	7	54	20,299
29	McDonough.....	4	44	200	35,576	1	44	11,864	43	156	23,712
30	McLean.....	4	2	304	122,416	2	304	122,416	.....	.....	.....
31	Menard.....	6	14	673	397,526	8	630	370,684	6	43	26,842

Table 37—Concluded.

Number.	COUNTY.	District.	ALL MINES.			SHIPPING MINES.			LOCAL MINES.		
			Mines.	Men.	Tons.	Mines.	Men.	Tons.	Mines.	Men.	Tons.
32	Mercer.....	2	17	654	419,448	3	585	394,353	14	69	25,095
33	Montgomery.....	7	11	1,687	1,382,368	9	1,670	1,380,668	2	17	1,700
34	Morgan.....	7	3	13	7,490	.....	.....	.....	3	13	7,490
35	Peoria.....	3	71	1,492	1,054,673	17	1,222	922,120	54	270	132,553
36	Perry.....	9	25	2,182	1,610,411	21	2,168	1,605,125	4	14	5,286
37	Putnam.....	3	2	724	403,136	2	724	403,136	.....	.....	.....
38	Randolph.....	9	15	949	777,327	10	920	756,735	5	29	20,592
39	Rock Island.....	2	14	127	62,961	1	22	14,261	13	105	48,700
40	Saline.....	10	26	3,450	2,482,677	20	3,427	2,465,602	6	23	17,075
41	Sangamon.....	6	37	6,553	5,082,626	34	6,463	5,039,334	3	90	43,292
42	Schuyler.....	6	13	49	11,835	.....	.....	.....	13	49	11,835
43	Scott.....	7	11	89	13,262	.....	.....	.....	11	89	13,262
44	Shelby.....	7	9	347	165,289	2	270	158,206	7	77	7,083
45	Stark.....	3	10	75	24,444	.....	.....	.....	10	75	24,444
46	St. Clair.....	8	77	5,078	4,413,639	56	4,932	4,280,212	21	146	133,427
47	Tazewell.....	4	11	416	218,435	6	338	191,969	5	78	26,466
48	Vermilion.....	5	42	3,909	2,659,762	14	3,604	2,467,832	28	305	191,930
49	Warren.....	2	15	58	11,446	.....	.....	.....	15	58	11,446
50	Washington.....	9	2	126	75,548	2	126	75,548	.....	.....	.....
51	White.....	9	1	36	19,480	1	36	19,480	.....	.....	.....
52	Will.....	1	4	464	161,041	3	454	156,514	1	10	4,509
53	Williamson.....	10	47	6,329	5,367,140	36	6,276	5,315,365	11	53	51,775
54	Woodford.....	3	2	420	163,140	2	420	163,140	.....	.....	.....
Totals.....			922	70,841	49,272,452	407	67,470	47,809,730	515	3,371	1,462,722

DISPOSITION OF THE OUTPUT.

Table 38 shows, by districts, the disposition, from the mines, of the total output of the mines of the State.

TABLE 38—*Disposition of the Output of Shipping Mines, by Districts, also Local Mines.*

DISTRICTS.	Number of mines.	Total output all grades—Tons.	DISPOSITION OF PRODUCT—TONS.			
			Shipped from mine.	Supplied to locomotives at mine.	Sold to local trade.	Consumed and wasted at mines.
First.....	29	2,768,465	2,349,640	115,450	136,847	166,708
Second.....	15	2,157,151	1,974,102	28,677	44,109	110,264
Third.....	26	2,130,461	1,935,819	82,921	51,050	60,671
Fourth.....	37	2,411,554	2,173,074	63,008	106,819	68,653
Fifth.....	18	2,705,468	2,472,544	30,105	160,440	42,379
Sixth.....	46	5,840,028	5,254,418	113,832	260,771	211,007
Seventh.....	37	7,173,183	6,408,120	160,576	171,200	433,287
Eighth.....	75	7,930,813	7,478,923	52,932	129,487	269,471
Ninth.....	56	6,242,678	5,605,928	243,330	146,726	246,694
Tenth.....	68	8,449,749	7,905,487	113,029	95,452	335,781
Shipping mines....	407	47,809,739	43,558,055	1,003,860	1,302,901	1,944,914
Local mines.....	515	1,462,722	.....	12,500	1,214,455	235,767
The State.....	922	49,272,452	43,558,055	1,016,360	2,517,356	2,180,681

Table 39 gives the percentages drawn from table 37.

TABLE 39—*Percentages of the Output of Shipping and Local Mines, also Percentages of the Distribution, by Districts—1908.*

DISTRICTS.	Number of mines.	PERCENTAGES OF TONS—				
		Total output.	Shipped	To locomotive.	Sold to local trade.	Consumed or wasted at mines.
First.....	29	5.79	84.87	4.17	4.94	6.02
Second.....	15	4.52	91.51	1.30	2.09	5.10
Third.....	26	4.46	90.87	3.87	2.42	2.84
Fourth.....	37	5.05	90.12	2.61	4.43	2.84
Fifth.....	18	5.64	91.39	1.11	5.93	1.57
Sixth.....	46	12.22	89.97	1.95	4.47	3.61
Seventh.....	37	15.01	89.33	2.24	2.39	6.04
Eighth.....	75	16.59	94.30	.67	1.63	3.40
Ninth.....	56	13.06	89.64	3.73	2.83	3.80
Tenth.....	68	17.66	93.56	1.34	1.13	3.97
Shipping mines.....	407	100.00	91.11	2.10	2.73	4.06
Local mines.....	515	100.00	.....	.84	83.04	16.12

Table 40 shows, for nine years, the total tons of shipping and local mines, and the percentages as to the distribution of the product.

TABLE 40—*Total Output of the Shipping and Local Mines of the State, also Percentages of the Distribution for Nine Years.*

YEAR.	Total output.	PERCENTAGES OF—			
		Tons shipped.	Tons supplied to loco-motives.	Tons sold to local trade.	Tons consumed or wasted at the mines.
1900.....	24,056,996	87.33	3.42	5.12	4.13
1901.....	25,526,816	88.34	3.46	4.12	4.08
1902.....	28,824,750	89.07	3.30	3.74	3.89
1903.....	33,676,537	89.33	3.27	3.59	3.81
1904.....	35,779,517	88.82	3.32	3.80	4.06
1905.....	35,956,543	88.07	3.26	3.88	4.79
1906.....	37,122,811	89.16	2.79	3.75	4.30
1907.....	46,436,839	90.52	2.37	2.84	4.27
1908.....	47,809,730	91.11	2.10	2.73	4.06

LOCAL MINES.

1900.....	1,096,933	.....	5.66	85.57	8.77
1901.....	1,108,503	.....	5.84	86.62	7.54
1902.....	1,196,550	.....	1.54	89.05	9.41
1903.....	1,278,864	.....	1.29	86.86	11.85
1904.....	1,298,380	.....	2.75	89.46	7.79
1905.....	1,226,831	.....	.49	98.20	1.31
1906.....	1,194,770	.....	.....	95.91	4.09
1907.....	1,361,782	.....	.....	86.85	13.15
1908.....	1,462,722	.....	.84	83.04	16.12

DISPOSITION OF OUTPUT BY COUNTIES AND DISTRICTS.

Table 41 shows the total tonnage of each county in the respective districts and the disposition of the output.

TABLE 41—*Disposition of the Output of Shipping and Local Mines, by Counties and Districts—1908.*

FIRST DISTRICT.

COUNTY.	Number of mines.	Total tons.	DISPOSITION OF TONNAGE.			
			Shipped from mines.	Supplied to locomotives at the mines.	Sold to local trade.	Consumed or wasted at the mines.
Grundy.....	9	1,146,924	1,064,467	.....	22,111	60,346
Kankakee.....	1	17,801	14,917	.....	1,305	1,579
La Salle.....	16	1,447,406	1,129,243	115,450	104,430	98,283
Will.....	3	156,514	141,013	.....	9,001	6,500
The district.....	29	2,768,645	2,349,640	115,450	136,847	166,708
Percentages.....	.....	100.00	84.87	4.17	4.94	6.02
Local mines.....	34	211,583	.....	.....	61,358	150,225

SECOND DISTRICT.

Bureau.....	8	1,666,578	1,515,408	27,133	28,662	95,375
Henry.....	3	81,959	72,367	.....	7,563	2,029
Mercer.....	3	394,353	374,276	1,544	5,884	12,649
Rock Island.....	1	14,261	12,051	.....	2,000	210
The district.....	15	2,157,151	1,974,102	28,677	44,109	110,263
Percentages.....	.....	100.00	91.51	1.33	2.05	5.11
Local mines.....	116	216,784	.....	.....	213,153	3,631

THIRD DISTRICT.

Livingston.....	2	239,335	220,104	11,587	2,900	4,744
Marshall.....	3	402,730	321,157	43,422	17,887	20,264
Peoria.....	17	922,120	877,792	16,245	7,805	20,278
Putnam.....	2	403,136	387,329	3,360	5,862	6,585
Woodford.....	2	163,140	129,437	8,307	16,596	8,800
The district.....	26	2,130,461	1,935,819	82,921	51,050	60,671
Percentages.....	.....	100.00	90.86	3.89	2.40	2.85
Local mines.....	77	240,303	.....	.....	225,369	14,934

Table 41—Continued.

FOURTH DISTRICT.

COUNTY.	Number of mines.	Total tons.	DISPOSITION OF TONNAGE.			
			Shipped from mines.	Supplied to locomotives at the mines.	Sold to local trade.	Consumed or wasted at the mines.
Fulton.....	27	2,081,055	1,983,837	32,234	18,889	46,095
Hancock.....	1	4,250	4,000	.....	250	.....
McDonough.....	1	11,864	11,335	.....	529	.....
Mc Lean.....	2	122,416	30,955	28,501	45,862	17,098
Tazewell.....	6	191,969	142,947	2,273	41,289	5,460
The district.....	37	2,411,554	2,173,074	63,008	106,819	68,653
Percentages.....	.....	100.00	90.11	2.61	4.43	2.85
Local mines.....	109	113,048	.....	.....	113,048	.....

FIFTH DISTRICT.

Macon.....	4	237,636	86,014	7,709	140,240	3,673
Vermilion.....	14	2,467,832	2,386,530	22,396	20,200	38,706
The district.....	18	2,705,468	2,472,544	30,105	160,440	42,379
Percentages.....	.....	100.00	91.39	1.11	5.93	1.57
Local mines.....	29	196,901	.....	.....	138,232	58,669

SIXTH DISTRICT.

Logan.....	4	430,010	315,013	27,364	55,253	32,380
Menard.....	8	370,684	325,693	2,610	25,502	16,879
Sangamon.....	34	5,039,334	4,613,712	83,858	180,016	161,748
The district.....	46	5,840,028	5,254,418	113,832	260,771	211,007
Percentages.....	.....	100.00	89.97	1.95	4.46	3.62
Local mines.....	25	83,169	.....	.....	81,649	1,520

SEVENTH DISTRICT.

Christian.....	8	1,423,323	1,122,866	64,984	77,926	157,547
Macoupin.....	18	4,210,986	3,870,293	68,198	42,385	230,110
Montgomery.....	9	1,380,668	1,284,936	21,034	37,472	37,226
Shelby.....	2	158,206	130,025	6,360	13,417	8,404
The district.....	37	7,173,183	6,408,120	160,576	171,200	433,287
Percentages.....	.....	100.00	89.33	2.24	2.39	6.04
Local mines.....	38	64,185	.....	.....	59,987	4,288

Table 41—Concluded.

EIGHTH DISTRICT.

COUNTY.	Number of mines.	Total tons.	DISPOSITION OF TONNAGE.			
			Shipped from mines.	Supplied to locomotives at the mines.	Sold to local trade.	Consumed or wasted at the mines.
Bond.....	3	103,518	91,224	.....	6,452	5,842
Madison.....	16	3,547,083	3,397,124	9,299	61,688	972
St. Clair.....	56	4,280,212	3,990,565	43,633	61,357	184,657
The district.....	75	7,930,813	7,478,913	52,932	129,497	269,471
Percentages.....	.....	100.00	94.30	0.67	1.63	3.40
Local mines.....	37	170,450	.....	.....	170,450	.....

NINTH DISTRICT.

Clinton.....	7	1,152,670	1,633,879	49,275	24,125	45,391
Franklin.....	10	1,678,195	1,586,000	1,301	27,338	63,556
Marion.....	5	954,925	752,348	133,469	33,953	35,155
Perry.....	21	1,605,125	1,477,167	37,780	23,112	67,066
Randolph.....	10	756,735	716,286	.....	12,313	28,136
Washington.....	2	75,548	32,340	17,608	19,600	6,000
White.....	1	19,480	7,908	3,897	6,285	1,390
The district.....	56	6,242,678	5,605,928	243,330	146,726	246,694
Percentages.....	.....	100.00	89.80	3.90	2.35	3.95
Local mines.....	11	50,923	.....	12,500	35,923	2,500

TENTH DISTRICT.

Gallatin.....	1	52,544	43,089	3,676	2,179	3,600
Jackson.....	11	616,238	460,763	61,369	41,356	52,750
Saline.....	20	2,465,602	2,360,252	31,497	27,828	46,025
Williamson.....	36	5,315,365	5,041,383	16,487	24,089	233,406
The district.....	63	8,449,749	7,905,487	113,029	95,452	335,781
Percentages.....	.....	100.00	93.56	1.34	1.13	3.97
Local mines.....	39	115,376	.....	.....	115,376	.....

DISTRIBUTION OF COAL TO RAILROADS.

Table 42 shows the distribution by counties, to railroads of the product of the shipping mines of the State, both for transportation to market and for use on locomotives, delivered at the mines.

Thirty-six railroads transported the coal from the mines this year, besides several thousand tons were loaded onto river boats from Peoria county. The Illinois Central road, has, for the past eleven years, been shown in the reports of the bureau, as hauling a greater tonnage than any other road. For this year it took coal from 108 mines located in twenty-two of the coal producing counties: For shipment 7,759,163 tons, for locomotives, supplied at the mines, 389,911 tons, making a total of 8,149,074 tons. The Chicago and Eastern Illinois has second place as to quantity of coal hauled; the largest tonnage taken from any one county, was 2,344,979 tons hauled by the Cleveland, Cincinnati, Chicago & St. Louis road from Saline county.

TABLE 42—*Railroads which have Transported the Coal Produced by the Shipping Mines of the State, also the Counties Contributing the Tonnage to each Road—1908.*

Number of roads	RAILROADS AND COUNTIES.		Number of counties	Number of mines.	TONS RECEIVED BY EACH ROAD FOR—		PERCENTAGE—	
					Shipment.	Locomotives.	Skipped.	Supplied to locomotives.
	The State.....	....	....	....	43,558,055	1,003,860	.....	.....
1	Illinois Central.....	22	108	....	7,759,163	389,911	100.00	100.00
	Williamson.....	....	19	....	1,750,893	1,502	22.57	0.39
	Perry.....	....	16	....	1,159,212	29,140	14.94	7.47
	St. Clair.....	....	21	....	773,517	13,335	9.97	3.42
	Marion.....	....	5	....	751,352	133,469	9.68	34.23
	Sangamon.....	....	7	....	706,372	.....	9.10	.....
	Christian.....	....	5	....	429,101	16,171	5.53	4.15
	Madison.....	....	2	....	413,060	510	5.32	0.13
	Jackson.....	....	7	....	385,565	61,369	4.97	15.74
	La Salle.....	....	4	....	311,618	53,431	4.02	13.70
	Franklin.....	....	3	....	275,302	99	3.55	0.03
	Randolph.....	....	5	....	203,449	.....	2.62	.....
	Logan.....	....	4	....	184,664	27,364	2.38	7.02
	Macoupin.....	....	1	....	155,057	18,704	2.00	4.80
	Marshall.....	....	1	....	76,365	.....	0.98	.....
	Woodford.....	....	1	....	49,214	.....	0.63	.....
	Shelby.....	....	1	....	42,284	6,360	0.55	1.63
	Washington.....	....	1	....	31,940	.....	0.41	.....
	Macon.....	....	1	....	19,432	.....	0.25	.....
	McLear.....	....	1	....	18,955	7,501	0.25	1.92
	Kankakee.....	....	1	....	12,377	.....	0.16	.....
	Saline.....	....	1	....	9,273	.....	0.12	.....
	Montgomery.....	....	1	....	161	20,956	.....	5.37
2	Chicago & Eastern Illinois.....	6	23	....	4,516,821	20,802	100.00	100.00
	Vermilion.....	....	7	....	1,807,267	.....	40.01	.....
	Williamson.....	....	8	....	1,331,939	.....	29.49	.....
	Franklin.....	....	2	....	442,058	.....	9.79	.....
	Montgomery.....	....	3	....	438,665	.....	9.71	.....
	Madison.....	....	1	....	417,630	.....	9.25	.....
	Christian.....	....	2	....	79,262	20,802	1.75	100.00

Table 42—Continued.

Number of roads	RAILROADS AND COUNTIES.	Number of counties.	Number of miles.	TONS RECEIVED BY EACH ROAD FOR—		PERCENTAGE—	
				Shipment.	Locomotives.	Shipped.	Supplied to locomotives.
3	Chicago, Burlington & Quincy.....	14	57	4,312,078	42,557	100.00	100.00
	Fulton.....	21		1,580,047	20,224	36.64	47.52
	Franklin.....	5		713,933	85	16.56	0.20
	Williamson.....	5		670,448	10,645	15.55	25.01
	Macoupin.....	4		561,069	10,108	13.01	23.75
	LaSalle.....	7		329,720		7.65	
	Mercer.....	1		144,089		3.34	
	Peoria.....	4		87,983		2.04	
	Henry.....	3		69,938		1.62	
	Bureau.....	1		50,957	1,495	1.18	3.52
	Sangamon.....	1		46,253		1.07	
	Bond.....	2		31,363		0.73	
	McDonough.....	1		11,335		0.26	
	Montgomery.....	1		10,943		0.25	
	Hancock.....	1		4,000		0.10	
4	Cleveland, Cin., Chic. & St. Louis.....	9	35	3,552,101	58,017	100.00	100.00
	Saline.....	19		2,344,979	31,497	66.02	54.29
	Vermilion.....	4		491,658	22,396	13.84	38.60
	Montgomery.....	4		422,231		11.89	
	Madison.....	1		104,408	23	2.94	0.04
	Shelby.....	1		81,541		2.29	
	Tazewell.....	2		59,454		1.67	
	Macoupin.....	1		32,218		0.91	
	Christian.....	2		13,612	2,101	0.38	3.62
	McLean.....	1		2,000	2,000	0.06	3.45
5	Wabash.....	9	28	3,109,515	89,942	100.00	100.00
	Macoupin.....	6		1,186,133	36,926	38.14	41.06
	Sangamon.....	10		962,252	35,566	30.95	39.54
	Christian.....	3		591,126	17,397	19.01	19.34
	Madison.....	3		254,053	53	8.17	0.06
	Livingston.....	1		58,015		1.86	
	Macon.....	2		26,601		0.86	
	LaSalle.....	1		16,737		0.54	
	Vermilion.....	1		11,000		0.35	
	Montgomery.....	1		3,598		0.12	
6	Chicago & Alton.....	10	36	2,506,621	2,460	100.00	100.00
	Sangamon.....	16		1,784,553		71.19	
	Macoupin.....	6		360,835	2,460	14.40	100.00
	Logan.....	2		130,349		5.20	
	Menard.....	4		121,051		4.83	
	Will.....	2		78,977		3.15	
	Marshall.....	1		15,000		0.60	
	LaSalle.....	1		12,500		0.50	
	Grundy.....	2		1,880		0.07	
	McLean.....	1		1,000		0.04	
	Montgomery.....	1		446		0.02	
7	Macoupin County R. R.....	1	3	1,574,981		100.00	
	Macoupin.....	3	3	1,574,981		100.00	
8	St. Louis, Iron Mountain & Southern....	3	22	1,448,877	4,340	100.00	100.00
	Williamson.....	18		1,288,103	4,340	88.90	100.00
	Franklin.....	2		154,707		10.68	
	Jackson.....	2		6,067		0.42	

Table 42—Continued.

Number of roads	RAILROADS AND COUNTIES.	Number of counties.	Number of miles.	TONS RECEIVED BY EACH ROAD FOR—		PERCENTAGE—	
				Shipment.	Locomotives.	Shipped.	Supplied to locomotives.
9	Baltimore & Ohio Southwestern.....	2	22	1,386,890	62,485	100.00	100.00
	Clinton.....		5	698,183	49,275	50.34	78.86
	St. Clair.....		6	445,855	800	32.15	1.28
	Sangamon.....		4	217,983		15.72	
	Christian.....		3	9,765	8,513	0.70	13.62
	White.....		1	7,908	3,897	0.57	6.24
	Shelby.....		1	6,200		0.45	
	Marion.....		2	996		0.07	
10	Elgin, Joliet & Eastern.....	2	10	1,119,063		100.00	
	Grundy.....		9	1,057,027		94.46	
	Will.....		1	62,036		5.54	
11	St. Louis, Troy & Eastern.....	1	3	1,003,169	2,588	100.00	100.00
	Madison.....		3	1,003,169	2,588	100.00	100.00
12	Southern.....	2	12	966,596	308	100.00	100.00
	St. Clair.....		10	630,900	308	65.27	100.00
	Clinton.....		2	335,696		34.73	
13	Chicago & Northwestern.....	1	6	951,013	10,280	100.00	100.00
	Bureau.....		6	951,013	10,280	100.00	100.00
14	Chicago, Milwaukee & St. Paul.....	3	6	945,402	18,718	100.00	100.00
	Bureau.....		2	399,760	15,358	42.28	82.05
	Putnam.....		2	387,329	3,360	40.97	17.95
	LaSalle.....		2	158,313		16.75	
15	Vandalia Line.....	4	8	834,597		100.00	
	St. Clair.....		1	394,577		47.28	
	Madison.....		3	373,353		44.73	
	Bond.....		2	48,916		5.86	
	Macon.....		2	17,751		2.13	
16	Litchfield & Madison.....	1	5	821,651	6,125	100.00	100.00
	Madison.....		5	821,651	6,125	100.00	100.00
17	Mobile & Ohio.....	3	7	647,325		100.00	
	Randolph.....		3	315,981		48.81	
	Perry.....		2	262,213		40.51	
	Jackson.....		2	69,131		10.68	
18	St. Louis & O'Fallon.....	1	2	645,458	4,340	100.00	100.00
	St. Clair.....		2	645,458	4,340	100.00	100.00
19	Chicago, Peoria & St. Louis.....	2	12	641,519	11,374	100.00	100.00
	Sangamon.....		7	436,877	8,764	68.10	77.05
	Menard.....		5	204,642	2,610	31.90	22.95

Table 42—Continued.

Number of roads	RAILROADS AND COUNTIES.	Number of counties.	Number of mines.	TONS RECEIVED BY EACH ROAD FOR—		PERCENTAGE—	
				Shipment.	Locomotives.	Shipped.	Supplied to locomotives.
20	E. St. Louis & Suburban, Electric.....	1	5	622,941	.....	100.00	.....
	St. Clair.....	.....	5	622,941	.....	100.00	.....
21	Iowa Central.....	2	8	615,222	16,036	100.00	100.00
	Peoria.....	.....	3	371,440	15,203	60.38	94.81
	Fulton.....	.....	5	243,782	833	39.62	5.19
22	Chicago, Rock Island & Pacific.....	6	10	579,427	63,563	100.00	100.00
	Mercer.....	.....	2	230,187	1,544	39.73	2.43
	LaSalle.....	.....	4	212,616	62,019	36.69	97.57
	Bureau.....	.....	1	113,678	.....	19.62	.....
	Rock Island.....	.....	1	12,051	.....	2.08	.....
	Marshall.....	.....	1	8,466	.....	1.46	.....
	Henry.....	.....	1	2,429	.....	0.42	.....
23	Louisville & Nashville.....	4	15	526,816	46,134	100.00	100.00
	St. Clair.....	.....	12	477,327	24,850	90.61	53.86
	Gallatin.....	.....	1	43,089	3,676	8.18	7.97
	Saline.....	.....	1	6,000	.....	1.14	.....
	Washington.....	.....	1	400	17,608	0.07	38.17
24	Toledo, St. Louis & Western.....	2	4	419,837	78	100.00	100.00
	Montgomery.....	.....	3	408,892	78	97.39	100.00
	Bond.....	.....	1	10,945	.....	2.61	.....
25	Toledo, Peoria & Western.....	3	11	345,639	22,764	100.00	100.00
	Peoria.....	.....	5	175,264	.....	50.71	.....
	Fulton.....	.....	5	160,008	11,177	46.29	49.10
	Livingston.....	.....	1	10,367	11,587	3.00	50.90
26	Atchison, Topeka & Santa Fé.....	5	8	343,079	54,002	100.00	100.00
	Marshall.....	.....	1	134,304	43,422	39.15	80.41
	LaSalle.....	.....	2	87,739	.....	25.57	.....
	Woodford.....	.....	1	80,223	8,307	23.38	15.38
	Tazewell.....	.....	2	35,253	2,273	10.28	4.21
	Grundy.....	.....	2	5,560	.....	1.62	.....
27	Chicago & Illinois Midland.....	1	1	281,044	2,543	100.00	100.00
	Sangamon.....	.....	1	281,044	2,543	100.00	100.00
28	Peoria & Pekin Union.....	2	5	250,020	1,042	100.00	100.00
	Peoria.....	.....	3	212,705	1,042	85.08	100.00
	Tazewell.....	.....	2	37,315	.....	14.92	.....
29	Illinois Southern.....	1	3	196,856	.....	100.00	.....
	Randolph.....	.....	3	196,856	.....	100.00	.....

Table 42—Concluded.

Number of roads	RAILROADS AND COUNTIES.	Number of counties.	Number of mines.	TONS RECEIVED BY EACH ROAD FOR—		PERCENTAGE—	
				Shipment.	Locomotives.	Shipped.	Supplied to locomotives.
30	Cincinnati, Hamilton & Dayton.....	2	6	183,998	44,694	100.00	100.00
	Sangamon.....	4		161,768	36,985	87.92	82.75
	Macon.....	2		22,230	7,709	12.08	17.25
31	Chicago, Indiana & Southern.....	2	2	154,262		100.00	
	Livingston.....	1		151,722		98.35	
	Kankakee.....	1		2,540		1.65	
32	Illinois Traction System (Electric).....	3	5	102,985		100.00	
	Vermilion.....	2		76,605		74.39	
	Sangamon.....	2		16,580		16.10	
	Madison.....	1		9,800		9.51	
33	Toledo, Marquette & Northern.....	1	1	87,022		100.00	
	Marshall.....	1		87,022		100.00	
34	Wabash, Chester & Western.....	1	3	55,742	8,640	100.00	100.00
	Perry.....	3		55,742	8,640	100.00	100.00
35	Lake Erie & Western.....	2	3	19,925	19,000	100.00	100.00
	Tazewell.....	2		10,925		54.83	
	McLean.....	1		9,000	19,000	45.17	100.00
36	Chicago, Zeigler & Gulf.....	1	1		1,117		100.00
	Franklin.....	1			1,117		100.00
	By boat—Illinois River.....	1	2	30,400		100.00	100.00
	Peoria.....	2		30,400		100.00	100.00

Table 43 is a recapitulation of table 42, giving the number of counties from which coal is taken by each of the thirty-six roads, two of which are electric roads, the number of mines from which coal is delivered, the tons received for shipment, and for locomotives, and the total tons hauled for each road.

Eleven of these roads each transported over one million tons aggregating 32,289,279 tons or seventy-four per cent of the total tons delivered to all the roads. The same roads received, for locomotives, at the mines, 673,102 tons, or sixty-seven per cent of all the tons taken for this purpose.

TABLE 43—*Illinois Coal Delivered to Illinois Railroads at the Mines for Shipment and for Use on Locomotives—1908.*

Number.	RAILROADS.	NUMBER OF—		TONS RECEIVED BY EACH ROAD FOR—		Total tons.
		Coun- ties.	Mines.	Ship- ment.	Loco- motives.	
	Total 37 railroads and boats.....	.....	.....	43,558,055	1,003,860	44,561,915
1	Illinois Central.....	22	108	7,759,163	389,911	8,149,074
2	Chicago & Eastern Illinois.....	6	23	4,516,821	20,802	4,537,623
3	Chicago, Burlington & Quincy.....	14	57	4,312,078	42,557	4,354,635
4	Cleveland, Cincinnati, Chicago & St. Louis.....	9	35	3,552,101	58,017	3,610,118
5	Wabash.....	9	28	3,109,515	89,942	3,199,457
6	Chicago & Alton.....	10	36	2,506,621	2,460	2,509,081
7	Macoupin County Railroad.....	1	3	1,574,981	.....	1,574,981
8	St. Louis, Iron Mountain & Southern.....	3	22	1,448,877	4,340	1,453,217
9	Baltimore & Ohio Southwestern.....	7	22	1,386,890	62,485	1,449,375
10	Elgin, Joliet & Eastern.....	2	10	1,119,063	.....	1,119,063
11	St. Louis, Troy & Eastern.....	1	3	1,003,169	2,588	1,005,757
12	Southern.....	2	12	966,596	308	966,904
13	Chicago & Northwestern.....	1	6	951,013	10,280	961,293
14	Chicago, Milwaukee & St. Paul.....	3	6	945,402	18,718	964,120
15	Vandalia Line.....	4	8	834,597	.....	834,597
16	Litchfield & Madison.....	1	5	821,651	6,125	827,776
17	Mobile & Ohio.....	3	7	647,325	.....	647,325
18	St. Louis & O'Fallon.....	1	2	645,458	4,340	649,798
19	Chicago, Peoria & St. Louis.....	2	12	641,519	11,374	652,893
20	St. Louis & Suburban, Electric.....	1	5	622,941	.....	622,941
21	Iowa Central.....	2	8	615,222	16,036	631,258
22	Chicago, Rock Island & Pacific.....	6	10	579,427	63,563	642,990
23	Louisville & Nashville.....	4	15	526,816	46,134	572,950
24	Toledo, St. Louis & Western.....	2	4	419,837	78	419,915
25	Toledo, Peoria & Western.....	3	11	345,639	22,764	368,403
26	Atchison, Topeka & Santa Fe.....	5	8	343,079	54,002	397,081

Table 43—Concluded.

Number.	RAILROADS.	NUMBER OF—		TONS RECEIVED BY EACH ROAD FOR—		Total tons.
		Coun- ties.	Mines.	Ship- ment.	Loco- motives.	
27	Chicago & Illinois Midland.....	1	1	281,044	2,543	283,587
28	Peoria & Pekin Union.....	2	5	250,020	1,042	251,062
29	Illinois Southern.....	1	3	196,856	.....	196,856
30	Cincinnati, Hamilton & Dayton.....	2	6	183,998	44,694	228,692
31	Chicago, Indiana & Southern.....	2	2	154,262	.....	154,262
32	Illinois Traction System, Electric.....	3	5	102,986	.....	102,985
33	Toluca, Marquette & Northern.....	1	1	87,022	.....	87,022
34	Wabash, Chester & Western.....	1	3	55,742	8,640	64,382
35	Lake Erie & Western.....	2	3	19,925	19,000	38,925
36	Chicago, Zeigler & Gulf.....	1	1	.....	1,117	1,117
37	By boat—Illinois river.....	1	2	30,400	.....	30,400

Table 44 is a list of forty-one counties from which was drawn the coal transported to market as shown in table 42. The arrangement of the table is by counties supplying the largest tonnage for shipment. Williamson, Sangamon, St. Clair, Macoupin, Madison and Vermilion hold the same positions in the list as last year. These six counties supplied 53.5 per cent of the total tons delivered to the railroads for shipment.

TABLE 44—Counties which have produced the Commercial Coal of the State and the Tonnage delivered to the several Railroads in each for transportation.

Number.	Counties and Railroads.	Number of railroads.	Number of mines.	Tons delivered to each railroad.	Total tons shipped and per cent to each road.
1	Williamson.....	4	.....	.....	5,041,383
	Illinois Central.....	19	.....	1,750,893	34.73
	Chicago & Eastern Illinois.....	8	.....	1,331,939	26.42
	St. Louis, Iron Mountain & Southern.....	18	.....	1,288,103	25.55
	Chicago, Burlington & Quincy.....	5	.....	670,448	13.30
2	Sangamon.....	9	.....	.....	4,613,712
	Chicago & Alton.....	16	.....	1,784,583	38.68
	Wabash.....	10	.....	962,252	20.86
	Illinois Central.....	7	.....	706,372	15.31
	Chicago, Peoria & St. Louis.....	7	.....	436,877	9.47
	Chicago & Illinois Midland.....	1	.....	281,044	6.09
	Baltimore & Ohio Southwestern.....	4	.....	217,983	4.72
	Chicago, Hamilton & Dayton.....	4	.....	161,768	3.51
	Chicago, Burlington & Quincy.....	1	.....	46,253	1.00
	Illinois Traction System, Electric.....	2	.....	16,580	0.36

Table 44—Continued.

Number.	Counties and Railroads.	Number of railroads.	Number of mines.	Tons delivered to each railroad.	Total tons shipped and per cent to each road.
3	St. Clair.....	7			3,990,575
	Illinois Central.....	21		773,517	19.38
	St. Louis & O'Fallon.....	2		645,458	16.17
	Southern.....	10		630,900	15.81
	East St. Louis & Suburban, Electric.....	5		622,941	15.61
	Louisville & Nashville.....	12		477,327	11.96
	Baltimore & Ohio Southwestern.....	6		445,855	11.18
	Vandalia Line.....	1		394,577	9.89
4	Macoupin.....	6			3,870,293
	Macoupin County.....	3		1,574,981	40.69
	Wabash.....	6		1,186,133	30.65
	Chicago, Burlington & Quincy.....	4		561,069	14.50
	Chicago & Alton.....	6		360,835	9.32
	Illinois Central.....	1		155,057	4.01
	Cleveland, Cincinnati, Chicago & St. Louis.....	1		32,218	0.83
5	Madison.....	8			3,397,124
	St. Louis, Troy & Eastern.....	3		1,003,169	29.53
	Litchfield & Madison.....	5		821,651	24.19
	Chicago & Eastern Illinois.....	1		417,630	12.29
	Illinois Central.....	2		413,060	12.16
	Vandalia Line.....	3		373,353	10.99
	Wabash.....	3		254,053	7.48
	Cleveland, Cincinnati, Chicago & St. Louis.....	1		104,408	3.07
	Illinois Traction System, Electric.....	1		9,800	0.29
6	Vermilion.....	4			2,386,530
	Chicago & Eastern Illinois.....	7		1,807,267	75.73
	Cleveland, Cincinnati, Chicago & St. Louis.....	4		491,658	20.60
	Illinois Traction System, Electric.....	2		76,605	3.21
	Wabash.....	1		11,000	0.46
7	Saline.....	3			2,360,252
	Cleveland, Cincinnati, Chicago & St. Louis.....	19		2,344,979	99.35
	Illinois Central.....	1		9,273	0.39
	Louisville & Nashville.....	1		6,000	0.26
8	Fulton.....	3			1,983,837
	Chicago, Burlington & Quincy.....	21		1,580,047	79.65
	Iowa Central.....	5		243,782	12.29
	Toledo, Peoria & Western.....	5		160,008	8.06
9	Franklin.....	4			1,586,000
	Chicago, Burlington & Quincy.....	5		713,933	45.01
	Chicago & Eastern Illinois.....	2		442,058	27.87
	Illinois Central.....	3		275,302	17.36
	St. Louis, Iron Mountain & Southern.....	2		154,707	9.76
10	Bureau.....	4			1,515,408
	Chicago & Northwestern.....	6		951,013	62.76
	Chicago, Milwaukee & St. Paul.....	2		399,760	26.38
	Chicago, Rock Island & Pacific.....	1		113,678	7.50
	Chicago, Burlington & Quincy.....	1		50,957	3.36
11	Perry.....	3			1,477,167
	Illinois Central.....	16		1,159,212	78.48
	Mobile & Ohio.....	2		262,213	17.75
	Wabash, Chester & Western.....	3		55,742	3.77

Table 44—Continued.

Number.	Counties and Railroads.	Number of railroads.	Number of mines.	Tons delivered to each railroad.	Total tons shipped and per cent to each road.
12	Montgomery.....	7	-----	-----	1,284,936
	Chicago & Eastern Illinois.....	-----	3	438,665	34.14
	Cleveland, Cincinnati, Chicago & St. Louis.....	-----	4	422,231	32.86
	Toledo, St. Louis & Western.....	-----	3	408,892	31.82
	Chicago, Burlington & Quincy.....	-----	1	10,943	0.85
	Wabash.....	-----	1	3,598	0.28
	Chicago & Alton.....	-----	1	446	0.04
	Illinois Central.....	-----	1	161	0.01
13	LaSalle.....	7	-----	-----	1,129,243
	Chicago, Burlington & Quincy.....	-----	7	329,720	29.20
	Illinois Central.....	-----	4	311,618	27.60
	Chicago, Rock Island & Pacific.....	-----	4	212,616	18.83
	Chicago, Milwaukee & St. Paul.....	-----	2	158,313	14.02
	Atchison, Topeka & Santa Fé.....	-----	2	87,739	7.77
	Wabash.....	-----	1	16,737	1.48
	Chicago & Alton.....	-----	1	12,500	1.10
14	Christian.....	5	-----	-----	1,122,866
	Wabash.....	-----	3	591,126	52.64
	Illinois Central.....	-----	5	429,101	38.22
	Chicago & Eastern Illinois.....	-----	2	79,262	7.06
	Cleveland, Cincinnati, Chicago & St. Louis.....	-----	2	13,612	1.21
	Baltimore & Ohio Southwestern.....	-----	3	9,765	0.87
15	Grundy.....	3	-----	-----	1,064,467
	Elgin, Joliet & Eastern.....	-----	9	1,057,027	99.30
	Atchison, Topeka & Santa Fé.....	-----	2	5,560	0.52
	Chicago & Alton.....	-----	2	1,880	0.18
16	Clinton.....	2	-----	-----	1,033,879
	Baltimore & Ohio Southwestern.....	-----	5	698,183	67.53
	Southern.....	-----	2	335,696	32.47
17	Peoria.....	4	-----	-----	847,392
	Iowa Central.....	-----	3	371,440	43.83
	Peoria & Pekin Union.....	-----	3	212,705	25.10
	Toledo, Peoria & Western.....	-----	5	175,264	20.68
	Chicago, Burlington & Quincy.....	-----	4	87,983	10.39
18	Marion.....	2	-----	-----	752,348
	Illinois Central.....	-----	5	751,352	99.87
	Baltimore & Ohio Southwestern.....	-----	2	996	0.13
19	Randolph.....	3	-----	-----	716,286
	Mobile & Ohio.....	-----	3	315,981	44.12
	Illinois Central.....	-----	5	203,449	28.40
	Illinois Southern.....	-----	3	196,856	27.48
20	Jackson.....	3	-----	-----	460,763
	Illinois Central.....	-----	7	385,565	83.68
	Mobile & Ohio.....	-----	2	69,131	15.00
	St. Louis, Iron Mountain & Southern.....	-----	2	6,067	1.32
21	Putnam.....	1	-----	-----	387,329
	Chicago, Milwaukee & St. Paul.....	-----	2	387,329	100.00
22	Mercer.....	2	-----	-----	374,276
	Chicago, Rock Island & Pacific.....	-----	2	230,187	61.50
	Chicago, Burlington & Quincy.....	-----	1	144,089	38.50

Table 44—Continued.

Number.	Counties and Railroads.	Number of railroads.	Number of mines.	Tons delivered to each railroad.	Total tons shipped and per cent to each road.
23	Menard.....	2	.....	.....	325,693
	Chicago, Peoria & St. Louis.....	5	.....	204,642	62.83
	Chicago & Alton.....	4	.....	121,051	37.17
24	Marshall.....	5	.....	.....	321,157
	Atchison, Topeka & Santa Fé.....	1	.....	134,404	41.82
	Toluca, Marquette & Northern.....	1	.....	87,022	27.10
	Illinois Central.....	1	.....	76,365	23.78
	Chicago & Alton.....	1	.....	15,000	4.67
	Chicago, Rock Island & Pacific.....	1	.....	8,466	2.63
25	Logan.....	2	.....	.....	315,013
	Illinois Central.....	4	.....	184,664	58.62
	Chicago & Alton.....	2	.....	130,349	41.38
26	Livingston.....	3	.....	.....	220,104
	Chicago, Indiana & Southern.....	1	.....	151,722	68.93
	Wabash.....	1	.....	58,015	26.36
	Toledo, Peoria & Western.....	1	.....	10,367	4.71
27	Tazewell.....	4	.....	.....	142,947
	Cleveland, Cincinnati, Chicago & St. Louis.....	2	.....	59,454	41.59
	Peoria & Pekin Union.....	2	.....	37,315	26.10
	Atchison, Topeka & Santa Fé.....	2	.....	35,253	24.66
	Lake Erie & Western.....	2	.....	10,925	7.65
28	Will.....	2	.....	.....	141,013
	Chicago & Alton.....	2	.....	78,977	56.01
	Elgin, Joliet & Eastern.....	1	.....	62,036	43.99
29	Shelby.....	3	.....	.....	130,025
	Cleveland, Cincinnati, Chicago & St. Louis.....	1	.....	81,541	62.71
	Illinois Central.....	1	.....	42,284	32.52
	Baltimore & Ohio Southwestern.....	1	.....	6,200	4.77
30	Woodford.....	2	.....	.....	129,437
	Atchison, Topeka & Santa Fé.....	1	.....	80,223	61.98
	Illinois Central.....	1	.....	49,214	38.02
31	Bond.....	3	.....	.....	91,224
	Vandalia Lines.....	2	.....	48,916	53.62
	Chicago, Burlington & Quincy.....	2	.....	31,363	34.38
	Toledo, St. Louis & Western.....	1	.....	10,945	12.00
32	Macon.....	4	.....	.....	86,014
	Wabash.....	2	.....	26,601	30.93
	Cincinnati, Hamilton & Dayton.....	2	.....	22,230	25.84
	Illinois Central.....	1	.....	19,432	22.59
	Vandalia Lines.....	2	.....	17,751	20.64
33	Henry.....	2	.....	.....	72,367
	Chicago, Burlington & Quincy.....	3	.....	69,938	96.64
	Chicago, Rock Island & Pacific.....	1	.....	2,429	3.36
34	Gallatin.....	1	.....	.....	43,089
	Louisville & Nashville.....	1	.....	43,089	100.00
35	Washington.....	2	.....	.....	32,340
	Illinois Central.....	1	.....	31,940	98.76
	Louisville & Nashville.....	1	.....	400	1.24

Table 44—Concluded.

Number.	Counties and Railroads.	Number of railroads.	Number of mines.	Tons delivered to each railroad	Total tons shipped and per cent to each road.
36	McLean.....	4			30,955
	Illinois Central.....		1	18,955	61.23
	Lake Erie & Western.....		1	9,000	29.08
	Cleveland, Cincinnati, Chicago & St. Louis.....		1	2,000	6.46
	Chicago & Alton.....		1	1,000	3.23
37	Kankakee.....	2			14,917
	Illinois Central.....		1	12,377	82.97
	Chicago, Indiana & Southern.....		1	2,540	17.03
38	Rock Island.....	1			12,051
	Chicago, Rock Island & Pacific.....		1	12,051	100.00
39	McDonough.....	1			11,335
	Chicago, Burlington & Quincy.....		1	11,335	100.00
40	White.....	1			7,908
	Baltimore & Ohio Southwestern.....		1	7,908	100.00
41	Hancock.....	1			4,000
	Chicago, Burlington & Quincy.....		1	4,000	100.00
	Tons shipped by railroad.....			43,527,655	
	By boat—Illinois river.....				30,400
	Peoria.....		2	30,400	100.00
	Total tons shipped—State.....			43,558,055	

COUNTIES SUPPLYING COAL TO RAILROADS.

Table 45 is a list of the forty-one counties in which are located the 407 shipping mines, and shows the number of mines in each county, the number of railroads receiving their product, the total output of shipping mines only and the distribution of the tonnage.

TABLE 45—*Counties from which Coal is Shipped, Number of Shipping Mines, Total Output, Tons Shipped, Supplied to Locomotives, Sold to Local Trade, and Consumed or Wasted at the Mines—1908*

Number.	COUNTIES.	Number of mines.	Number of railroads.	Total tons shipping mines.	DISTRIBUTION—TONS—			
					Shipped from mines.	Supplied to locomotives at the mines.	Sold to local trade.	Consumed and wasted at the mine.
1	Williamson	36	4	5,315,365	5,041,383	16,487	24,089	233,406
2	Sangamon	34	9	5,039,334	4,613,712	83,858	180,016	161,748
3	St. Clair	56	7	4,280,212	3,990,565	43,633	61,357	184,657
4	Macoupin	18	6	4,210,986	3,870,293	68,198	42,385	230,110
5	Madison	16	8	3,547,083	3,397,124	9,299	61,688	78,972
6	Vermilion	14	4	2,467,832	2,386,530	22,396	20,200	38,706
7	Saline	20	3	2,465,602	2,360,252	31,497	27,828	46,025
8	Fulton	27	3	2,081,055	1,983,837	32,234	18,889	46,095
9	Franklin	10	4	1,678,195	1,586,000	1,301	27,338	63,556
10	Bureau	8	4	1,666,578	1,515,408	27,133	28,662	95,375
11	Perry	21	3	1,605,125	1,477,167	37,780	23,112	67,066
12	La Salle	16	7	1,447,406	1,129,243	115,450	104,430	98,283
13	Christian	8	5	1,423,323	1,122,866	64,984	77,926	157,547
14	Montgomery	9	7	1,380,668	1,284,936	21,034	37,472	37,226
15	Clinton	7	2	1,152,670	1,033,879	49,275	24,125	45,391
16	Grundy	9	3	1,146,924	1,064,467	.....	22,111	60,346
17	Marion	5	2	954,925	752,348	133,469	33,953	35,155
18	Peoria	17	4	922,120	877,792	16,245	7,805	20,278
19	Randolph	10	3	756,735	716,286	.....	12,313	28,136
20	Jackson	11	3	616,238	460,763	61,369	41,356	52,750
21	Logan	4	2	430,010	315,013	27,364	55,253	32,380
22	Putnam	2	1	403,136	387,329	3,360	5,862	6,585
23	Marshall	3	5	402,730	321,157	43,422	17,887	20,264
24	Mercer	3	2	394,353	374,276	1,544	5,884	12,649
25	Menard	8	2	370,684	325,693	2,610	25,502	16,879
26	Livingston	2	3	239,335	220,104	11,587	2,900	4,744
27	Macon	4	4	237,636	86,014	7,709	140,240	3,673
28	Tazewell	6	4	191,969	142,947	2,273	41,289	5,460

Table 45—Concluded.

Number.	COUNTIES.	Number of mines.	Number of railroads.	Total tons shipping mines.	DISTRIBUTION—TONS—			
					Shipped from mines.	Supplied to locomotives at the mines.	Sold to local trade.	Consumed and wasted at the mine.
29	Woodford.....	2	2	163,140	129,437	8,307	16,596	8,800
30	Shelby.....	2	3	158,206	130,025	6,360	13,417	8,404
31	Will.....	3	2	156,514	141,013	.....	9,001	6,500
32	McLean.....	2	4	122,416	30,955	28,501	45,862	17,098
33	Bond.....	3	3	103,518	91,224	.....	6,452	5,842
34	Henry.....	3	2	81,959	72,367	.....	7,563	2,029
35	Washington.....	2	2	75,548	32,340	17,608	19,600	6,000
36	Gallatin.....	1	1	52,544	43,089	3,676	2,179	3,600
37	White.....	1	1	19,480	7,908	3,897	6,285	1,390
38	Kankakee.....	1	2	17,801	14,917	.....	1,305	1,579
39	Rock Island.....	1	1	14,261	12,051	.....	2,000	210
40	Mc Donough.....	1	1	11,864	11,335	.....	529	.....
41	Hancock.....	1	1	4,250	4,000	.....	250	.....
	Totals.....	407	.....	47,809,730	43,558,055	1,003,860	1,302,901	1,944,914

DAYS OF ACTIVE OPERATION.

Table 46 shows the average number of working days, in connection with the number of mines, men and tons, at all mines and for both shipping and local mines, in the several districts, for the past year. The record of the shipping mines shows substantially the true conditions as to men employed and days worked. The number of men employed in these mines represent over ninety-five per cent of all employ  s, the average working time was 191 days.

TABLE 46—*Days of Active Operation, by Districts.*

DISTRICTS.	MINES, MEN AND AVERAGE WORKING DAYS.								
	ALL MINES.			SHIPPING MINES.			LOCAL MINES.		
	Mines.	Men.	Days.	Mines.	Men.	Days.	Mines.	Men.	Days.
First.....	63	6,800	217.30	29	6,379	226.76	34	421	206.97
Second.....	131	5,802	150.60	15	5,134	201.07	116	668	144.39
Third.....	103	4,125	167.64	26	3,627	212.96	77	498	152.23
Fourth.....	146	4,306	165.33	37	3,841	199.20	109	465	152.69
Fifth.....	47	4,357	186.49	18	4,047	205.38	29	310	174.27
Sixth.....	71	8,044	170.30	46	7,854	189.55	25	190	143.76
Seventh.....	75	9,054	176.60	37	8,749	187.21	38	305	168.00
Eighth.....	112	9,362	173.71	75	9,106	173.37	37	256	189.38
Ninth.....	67	7,928	185.00	56	7,835	188.82	11	93	164.53
Tenth.....	107	11,063	154.86	68	10,898	179.05	39	165	110.41
The State.....	922	70,841	171.44	407	67,470	190.65	515	3,371	160.69

Table 47 presents the record of mines, men and days for the past sixteen years. The average number of days for the shipping mines this year is less, with one exception, than for any year during the past decade.

TABLE 47—*Days of Active Operation, for a Series of Sixteen Years.*

YEAR.	MINES, MEN AND AVERAGE WORKING DAYS.								
	ALL MINES.			SHIPPING MINES.			LOCAL MINES.		
	Mines.	Men.	Days.	Mines.	Men.	Days.	Mines.	Men.	Days.
1893.....	788	35,390	229.6	310	28,737	229.6	478	6,653	161
1894.....	836	38,477	183.1	319	31,243	183.1	517	7,234	157
1895.....	874	38,630	182.2	319	31,174	182.2	555	7,456	155
1896.....	901	37,032	186.0	330	28,185	186.0	571	8,847	159
1897.....	853	33,788	185.5	310	31,322	185.5	543	2,466	167.1
1898.....	881	35,026	156.8	329	32,297	174.7	552	2,729	156.8
1899.....	889	36,991	174.6	323	34,307	205.7	566	2,684	175
1900.....	920	39,384	182.6	323	36,298	214.0	597	3,084	166.4
1901.....	915	44,143	174.3	331	40,940	204.4	584	3,217	157
1902.....	915	46,005	179.5	332	42,807	210.2	583	3,198	161.9
1903.....	933	49,814	192.1	353	46,494	221.8	580	3,320	170.7
1904.....	932	54,774	197.9	380	51,384	213.3	552	3,390	184.9
1905.....	990	59,230	173.7	397	55,743	198.5	593	3,487	158
1906.....	1,018	62,283	172.0	419	58,851	189.6	599	3,432	160.3
1907.....	933	66,714	184.1	411	63,154	209.3	522	3,560	164.2
1908.....	922	70,841	171.44	407	67,470	190.65	515	3,371	160.69

VALUE OF COAL PER TON.

Table 48 presents for shipping mines, and by districts, the total tons, all grades, and the average value per ton at the mines for the past four years. The last line of the table gives the tons and value of the local mines. The value per ton of the different grades of coal, was not secured from operators this year, in addition to the value of all grades. The value of the several grades, as heretofore shown in these reports, is therefore omitted this year. However, the following table, gives, by districts, the total tons, of shipping mines, all grades, and the average value per ton at the mines, for the past four years. These average values are derived from the total tonnage and the aggregate value as returned by the operators.

It will be noticed that, in the several districts, there is only slight variations of these values, as shown this year, compared with the three previous years. For the State, the values are substantially identical for the four years.

The change as to the several grades of coal, as stated, eliminates from this report, the showing of the tons of lump coal and value per ton as given in former reports for twenty-six years.

TABLE 48—*Total Tons, Shipping Mines, all Grades and Average Value per Ton at the Mines, by Districts, also Local Mines, for Four Years.*

Districts.	1908.		1907.		1906.		1905.	
	Total tons— all grades.	Average value per ton.	Total tons— all grades.	Average value per ton.	Total tons— all grades.	Average value per ton.	Total tons— all grades.	Average value per ton.
First.....	2,768,645	\$1.472	2,979,910	\$1.439	2,843,504	\$1.412	3,252,282	\$1.333
Second.....	2,157,151	1.352	2,415,920	1.437	2,087,227	1.401	2,942,229	1.402
Third.....	2,130,461	1.346	2,043,203	1.30	1,675,654	1.29	2,774,498	1.058
Fourth.....	2,411,554	1.124	2,296,063	1.197	1,843,293	1.153	4,303,295	1.138
Fifth.....	2,705,468	1.017	3,096,833	1.01	2,128,332	1.021	7,329,825	0.954
Sixth.....	5,840,028	0.973	5,693,210	0.922	5,097,776	0.975	8,392,443	0.834
Seventh.....	7,173,183	0.944	6,657,746	0.948	4,815,953	0.982	6,961,971	0.905
Eighth.....	7,930,813	0.889	7,991,535	0.857	7,189,785	0.866	.....	.....
Ninth.....	6,242,678	0.95	5,563,602	0.952	4,110,043	0.927	.....	.....
Tenth.....	8,449,749	0.943	7,698,816	0.956	5,331,244	0.934	.....	.....
Shipping mines.....	47,809,730.	\$ 1.02	46,436,839.	\$1.022	37,122,811	\$1.029	35,956,543	\$1.021
Local mines.....	1,462,722	1.495	1,361,782	1.502	1,194,770	1.056	1,226,831	1.612

MINE EMPLOYES.

Table 49 is a classification by districts, of miners and others employed in and around the coal mines of the State.

Of the total number employed at the shipping mines ninety-one per cent worked underground, 75.2 per cent of these were miners, 22.3 per cent other employes and 2.5 per cent boys. The total number working at the shipping mines was 67,470, an increase of 6.8 per cent over last year.

TABLE 49—*Classification of Employés in Shipping Mines, by Districts, with the Employés of Local Mines.*

DISTRICTS.	ALL EMPLOYES UNDERGROUND				Above ground.	Total.
	Miners.	Other employés.	Boys.	Total.		
First.....	4,547	1,125	141	5,813	566	6,379
Second.....	3,631	975	144	4,750	384	5,134
Third.....	2,649	592	93	3,334	293	3,627
Fourth.....	2,761	690	71	3,522	319	3,841
Fifth.....	2,852	915	74	3,841	206	4,047
Sixth.....	5,363	1,591	233	7,187	667	7,854
Seventh.....	5,599	2,123	253	7,980	769	8,749
Elghth.....	6,253	1,806	173	8,232	874	9,106
Ninth.....	5,375	1,522	129	7,026	809	7,833
Tenth.....	7,164	2,382	238	9,784	1,114	10,898
Totals.....	46,194	13,726	1,549	61,469	6,001	67,470
Local mines.....	2,737	203	15	2,955	416	3,371
The State.....	48,731	13,929	1,564	64,424	6,417	70,841

Table 50 shows the classification of all employes working at the coal mines of the State for the past ten years. The last line of the table gives the percentages of increase of the number in each class for the series of years.

TABLE 50—*Classification of Employés in all Mines for Ten Years.*

YEAR.	ALL EMPLOYES UNDERGROUND.				Above ground.	Aggregate.
	Miners.	Other employés.	Boys.	Total.		
1899.....	26,449	5,455	1,295	33,199	3,792	36,991
1900.....	27,875	6,047	1,281	35,203	4,181	39,384
1901.....	30,829	7,595	1,326	39,750	4,393	44,143
1902.....	32,875	7,273	1,397	41,518	4,487	46,005
1903.....	34,904	8,526	1,276	44,703	5,111	49,814
1904.....	37,987	9,812	1,562	49,361	5,413	54,774
1905.....	41,202	10,694	1,540	53,436	5,794	59,230
1906.....	42,920	11,605	1,499	56,024	6,259	62,283
1907.....	45,498	13,026	1,595	60,119	6,596	66,714
1908.....	48,931	13,929	1,564	64,424	6,417	70,841
Per cent increase.....	85.0	155.3	20.8	94.1	69.2	91.5

Table 51 shows the number of employes at the mines of the State, by districts, for a series of twenty-six years.

TABLE 51.—*Employes in Coal Mines of the State for a Series of Twenty-six Years, by Districts.*

YEARS.	DISTRICTS.										The [State.
	First.	Second.	Third.	Fourth.	Fifth.	Sixth.	Seventh.	Eighth.	Ninth.	Tenth.	
1883.....	7,566	3,211	4,070	4,417	4,675	.....	.....	.....	.....	.....	23,939
1884.....	8,013	3,616	5,918	4,781	4,147	.....	.....	.....	.....	.....	25,575
1885.....	7,463	3,391	5,213	4,950	4,429	.....	.....	.....	.....	.....	25,446
1886.....	7,613	3,599	4,870	5,197	4,567	.....	.....	.....	.....	.....	25,846
1887.....	7,915	4,068	4,903	4,934	4,984	.....	.....	.....	.....	.....	26,804
1888.....	8,623	4,914	5,250	5,086	5,537	.....	.....	.....	.....	.....	29,410
1889.....	9,014	4,498	5,117	5,679	5,764	.....	.....	.....	.....	.....	30,076
1890.....	8,258	4,099	5,171	5,685	5,361	.....	.....	.....	.....	.....	28,574
1891.....	9,128	5,089	6,458	5,881	6,395	.....	.....	.....	.....	.....	32,951
1892.....	9,572	4,865	6,453	6,542	6,200	.....	.....	.....	.....	.....	33,632
1893.....	8,831	5,974	6,964	7,021	6,780	.....	.....	.....	.....	.....	35,390
1894.....	10,280	6,714	7,112	7,750	6,621	.....	.....	.....	.....	.....	38,477
1895.....	9,644	7,184	6,607	8,005	7,190	.....	.....	.....	.....	.....	38,630
1896.....	9,380	7,103	2,134	4,467	5,758	4,374	3,816	.....	.....	.....	37,032
1897.....	7,632	6,872	1,635	4,021	5,672	4,100	3,856	.....	.....	.....	33,788
1898.....	7,377	6,799	1,800	3,030	6,093	4,662	4,265	.....	.....	.....	35,026
1899.....	7,498	6,631	1,799	4,655	6,401	5,008	4,999	.....	.....	.....	36,991
1900.....	7,722	5,693	3,864	5,545	5,983	5,885	4,692	.....	.....	.....	39,384
1901.....	7,872	6,306	3,760	6,950	6,837	6,871	5,457	.....	.....	.....	44,143
1902.....	8,035	6,583	4,268	5,579	7,564	7,929	5,947	.....	.....	.....	46,005
1903.....	7,717	6,860	4,363	6,771	8,393	8,354	7,356	.....	.....	.....	49,814
1904.....	8,038	7,362	4,808	7,293	9,541	9,665	8,067	.....	.....	.....	54,774
1905.....	8,157	7,761	5,397	7,441	10,175	10,636	9,663	.....	.....	.....	59,230
1906.....	7,091	6,293	3,623	3,845	3,997	7,856	6,895	8,633	6,380	7,670	62,283
1907.....	6,950	5,837	3,957	4,045	4,671	7,729	7,827	9,343	7,234	9,121	66,714
1908.....	6,800	5,802	4,125	4,306	4,357	8,044	9,054	9,362	7,928	11,063	70,841

PRICES PAID FOR MINING.

Table 52 presents, by districts, the tons mined by hand and by machine. The average prices per ton for both hand and machine mining are found by computations, applying the price paid per ton to the total tons produced, at each individual mine. There are several different rates for hand mining under the agreement between the miners and operators, in each district. The different rates are brought to a level average for each district and for the State by this reckoning as stated.

TABLE 52—*Average Price Paid for Mining by Hand and by Machine, at Shipping and Local Mines, by Districts—1908.*

DISTRICTS.	MINING BY HAND.				MACHINE MINING.	
	SHIPPING MINES.		LOCAL MINES.		SHIPPING MINES.	
	Tons.	Average price per ton.	Tons.	Average price per ton.	Tons.	Price per ton.
First.....	2,768,645	\$0.83	211,583	\$0.79	.....	.....
Second.....	2,157,151	0.762	216,784	0.977	.....	.....
Third.....	2,130,461	0.689	240,303	0.75	.....	.....
Fourth.....	2,411,554	0.64	113,048	0.882	.....	.....
Fifth.....	2,655,511	0.56	196,901	0.55	49,957	\$0.5724
Sixth.....	5,093,446	0.559	83,169	0.601	746,582	0.48
Seventh.....	3,095,238	0.554	58,776	0.561	*4,083,354	0.48
Eighth.....	3,338,639	0.55	170,450	0.557	4,592,174	0.48
Ninth.....	3,781,217	0.52	50,923	0.555	2,461,461	0.463
Tenth.....	5,172,854	0.478	115,376	0.56	3,276,895	0.431
The State.....	32,604,716	\$0.593	1,457,313	\$0.803	15,210,423	\$0.467

* 5,409 tons cut in local mine.

Table 53 presents, for a series of eight years, the total tons mined by hand and by machine with the average rates paid per ton by each process.

TABLE 53—*Total Tonnage and Average Prices Paid for Hand and Machine Mining for a Series of Eight Years—1901-1908.*

YEARS.	HAND MINING.		MACHINE MINING.	
	Tons.	Price per ton.	Tons.	Price per ton.
1901.....	20,172,779	\$0.564	5,774,639	\$0.412
1902.....	22,186,812	0.564	6,647,086	0.395
1903.....	26,042,014	0.57	7,646,777	0.434
1904.....	28,648,682	0.593	7,130,835	0.466
1905.....	27,762,968	0.578	8,193,575	0.443
1906.....	27,566,480	0.57	9,563,230	0.442
1907.....	31,854,488	0.592	14,490,454	0.479
1908.....	32,604,716	0.593	15,210,403	0.467

EARNINGS OF MINERS.

Table 54 presents the earnings in shipping mines where the coal is mined strictly by hand. The computations shown in the table are based on the number of miners in each mine, employed during the year, the number of days each mine was in operation, the tons of coal produced by each mine, and the price paid per ton at each mine for mining the coal. Therefore the results arrived at are approximately correct.

TABLE 54—*Earnings of Coal Miners, Hand Mining Exclusively in Shipping Mines for the Year Ending June 30, 1908, by Districts.*

DISTRICTS.	Number of mines.	Average days worked.	Total tons mined.	Average rate per ton.	Gross earnings.	Average tons per man per year.	Average earnings per man per year.	Average tons per man per day.	Average earnings per man per day.
First.....	4,547	229	2,768,645	\$0.83	\$2,293,153	609.	\$504.32	2.72	\$2.22
Second.....	3,631	201	2,157,151	0.762	1,644,194	594.	450.07	2.95	2.24
Third.....	2,649	213	2,130,461	0.689	1,465,470	804.	553.21	3.77	2.59
Fourth.....	2,761	199	2,411,554	0.64	1,521,191	873.	550.92	4.38	2.77
Fifth.....	2,425	203	2,266,430	0.5567	1,261,708	935.	520.25	4.55	2.56
Sixth.....	4,732	185	4,862,060	0.5603	2,724,299	1,027.	575.72	5.55	3.11
Seventh.....	2,805	171	2,963,134	0.5876	1,741,077	1,056.	620.70	6.18	3.62
Eighth.....	2,332	159	2,623,994	0.5498	1,442,754	1,125.	618.68	7.45	4.10
Ninth.....	3,211	176	3,359,827	0.5183	1,741,434	1,046.	542.33	5.94	3.08
Tenth.....	3,513	174	3,995,644	0.5003	1,999,130	1,137.	626.62	6.53	3.53
The State.....	32,606	188	29,538,900	\$0.6037	\$17,834,410	906.	\$546.97	4.82	\$2.91
1907.....	22,186	209.	30,796,283	\$0.592	\$18,231,400	927.99	\$549.39	4.44	\$2.63
1906.....	30,742	189.60	25,628,945	0.5702	14,767,153	833.68	480.86	4.40	2.54
1905.....	31,185	198.49	26,566,481	0.5782	15,353,039	851.90	492.32	4.29	2.48
1904.....	28,717	213.3	27,091,501	0.5989	16,233,869	943.39	565.30	4.42	2.65
1903.....	25,878	224.1	24,455,225	0.5699	14,043,280	944.63	542.67	4.22	2.42
1902.....	24,229	209.8	20,616,155	0.5645	11,638,120	850.88	480.34	4.06	2.29
1901.....	22,206	203.0	18,227,130	0.5690	10,372,670	821.00	467.11	4.04	2.30

MACHINE MINING.

Table 55 presents, by districts, the number of mines, men, machines and tons, in mines where machines are used exclusively, and the number of mines, machines and tons, where only a part of the coal is cut by machines. Mining coal by machine is confined, almost exclusively, to the seventh, eighth, ninth and tenth districts.

TABLE 55—*Machine Mining—Mines, Men, Machines, Tons, by Districts—1908.*

DISTRICTS.	MINES IN WHICH MACHINES ARE USED—									
	EXCLUSIVELY.				IN PART.			TOTAL.		
	Mines.	Men.	Machines.	Tons.	Mines.	Machines.	Tons.	Mines.	Machines.	Tons.
Fifth.....					2	16	49,957	2	16	49,957
Sixth.....	1	382	12	368,548	2	19	378,034	3	31	746,582
Seventh.....	15	3,908	286	3,799,844	3	20	283,510	18	306	4,083,354
Eighth.....	20	3,895	222	3,587,939	10	123	1,004,235	30	345	4,592,174
Ninth.....	10	2,048	131	1,678,822	9	88	782,639	19	219	2,461,461
Tenth.....	14	2,124	103	1,811,132	19	140	1,465,763	33	243	3,276,895
The State.....	60	12,357	754	11,246,285	45	406	3,964,138	105	1,160	15,210,423

Table 56 presents the record of machine mining for the past nine years. The number of mines in which the coal is mined exclusively by machines, is the same as last year, the tons cut increased eight per cent. The number of mines where only part of the coal is cut by machines increased over last year by four, the number of machines forty-nine, but there was a decrease of over 90,000 tons in the coal produced.

TABLE 56—*Machine Mining—Mines, Men, Machines, Tons, for Nine Years.*

YEAR.	MINES IN WHICH MACHINES ARE USED—									
	EXCLUSIVELY.				IN PART.			TOTAL.		
	Mines.	Men.	Machines.	Tons.	Mines.	Machines.	Tons.	Mines.	Machines.	Tons.
1900.....	38	3,883	272	3,765,601	29	158	1,817,993	67	430	5,583,594
1901.....	29	3,499	280	3,761,270	34	184	2,015,369	63	464	5,774,639
1902.....	34	4,811	308	4,460,025	30	156	2,037,098	64	464	6,497,123
1903.....	33	4,378	292	4,393,052	35	230	3,253,725	68	522	7,646,777
1904.....	40	3,691	400	4,903,184	27	223	2,237,243	67	623	7,140,427
1905.....	52	4,635	560	6,406,571	24	224	1,795,495	76	784	8,202,066
1906.....	57	6,137	685	7,638,536	28	277	1,924,694	85	962	9,563,230
1907.....	60	6,858	748	10,434,573	41	357	4,055,881	101	1,105	14,490,454
1908.....	60	12,357	754	11,246,285	45	406	3,964,138	105	1,160	15,210,423

Table 57 shows the name and number of machines in use during the year, by districts.

TABLE 57—*Name and Number of Mining Machines in Use, by Districts—1908.*

Districts.	Sullivan	Ingersoll-Sergeant.	Harrison.	Goodman.	Morgan-Gardner.	Jeffrey.	Herzler & Henninger.	Electric.	Link Belt.	Yock.	Belleville.	Total.
Fifth.....	12	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	16
Sixth.....	.....	.....	.....	18	11	2	.....	.....	.....	.....	.....	31
Seventh.....	96	72	97	25	12	2	.....	.....	.....	1	1	306
Eighth.....	177	68	28	29	1	19	23	.....	.....	.....	.....	345
Ninth.....	81	33	17	48	28	8	.....	.....	4	.....	.....	219
Tenth.....	110	23	35	7	60	3	.....	5	.....	.....	.....	243
The State.....	476	196	181	127	112	34	23	5	4	1	1	1,160

Table 58 presents the name and number of machines in use during a series of nine years.

TABLE 58—*Name and Number of Mining Machines in Use for Nine Years*

Year.	Sullivan.	Ingersoll-Sergeant.	Harrison.	Goodman.	Morgan-Gardner.	Jeffrey.	Herzler & Henninger.	Yock.	Link Belt.	Lee.	Butler.	Electric.	Belleville.	Total.
1900.....	40	119	197	.....	19	39	1	5	19	.....	.....	.....	.....	430
1901.....	33	132	178	.....	32	33	13	24	19	.....	.....	.....	.....	464
1902.....	36	133	160	32	22	31	20	28	.....	.....	.....	.....	.....	464
1903.....	82	95	178	15	15	50	33	31	21	.....	2	.....	.....	522
1904.....	131	142	210	29	27	29	22	27	4	.....	2	.....	.....	623
1905.....	183	178	236	49	19	41	40	33	4	.....	1	.....	.....	784
1906.....	315	197	244	82	28	33	35	25	.....	3	.....	.....	.....	962
1907.....	427	221	195	112	74	35	26	8	4	3	.....	.....	.....	1,105
1908.....	476	196	181	127	112	34	23	1	4	.....	.....	5	1	1,160

Table 59 is a list of the mines in which the coal is cut exclusively by machines. The number of mines shown in this table is sixty, the number of machines 754 and the number of tons 11,246,285.

TABLE 59—*Mines in which Machines are Used Exclusively.*

Number.	COMPANY.	Location.	MACHINES.		Tons.
			No.	Name.	
1	Superior Coal Co. No. 1.....	Gillespie.....	41	Ingersoll-Sergeant.....	566,670
2	Superior Coal Co. No. 2.....	Sawyerville.....	41	{ 28 Sullivan..... 13 Ingersoll-Sergeant..... }	554,923
3	New Staunton Coal Co.....	Livingston.....	11	Goodman.....	530,159
4	Zeigler Coal Co.....	Zeigler.....	22	Goodman.....	522,722
5	Superior Coal Co. No. 3.....	Gillespie.....	40	{ 27 Harrison..... 11 Sullivan..... 2 Jeffrey..... }	509,927
6	Consolidated Coal Co. No. 17.....	Collinsville.....	30	{ 29 Sullivan..... 1 Harrison..... }	440,666
7	Mt. Olive & Staunton Coal Co.....	Williamson.....	10	{ 8 Goodman..... 2 Jeffrey..... }	417,528
8	Big Muddy Coal & Iron Co. No. 8.....	Clifford.....	32	{ 28 Sullivan..... 4 Ingersoll-Sergeant..... }	413,709
9	Chicago, Wilmington & Ver. Coal Co.....	Thayer.....	12	{ 11 Morgan-Gardner..... 1 Goodman..... }	368,548
10	Consolidated Coal Co. No. 14.....	Staunton.....	26	Sullivan.....	365,927

Table 59—Continued.

Number.	COMPANY.	Location.	MACHINES.		Tons.
			No.	Name.	
11	Donk Bros. Coal & Coke Co. No. 1.....	Maryville.....	33	Sullivan.....	351,995
12	Southern Coal Co. No. 9.....	New Baden.....	31	Sullivan.....	333,912
13	Mt. Olive & Staunton Coal Co. No. 1....	Staunton.....	10	{ 7 Jeffrey..... 3 Sullivan..... }	325,254
14	Consolidated Coal Co. No. 15.....	Mt. Olive.....	27	Sullivan.....	320,066
15	O'Gara Coal Co. No. 9.....	Harrisburg.....	8	Morgan-Gardner.....	277,409
16	Hillsboro Coal Co.....	Hillsboro.....	8	Morgan-Gardner.....	264,499
17	Lumaghi Coal Co. No. 2.....	Collinsville.....	29	Sullivan.....	253,341
18	Carterville District Coal Co.....	Marion.....	12	Sullivan.....	250,500
19	Consolidated Coal Co. No. 6.....	Staunton.....	19	{ 18 Harrison..... 1 Yock..... }	235,218
20	Southern Coal & Mining Co. No. 8.....	Belleville.....	7	{ 5 Jeffrey..... 1 Goodman..... 1 Morgan-Gardner..... }	233,736
21	Willis Coal & Mining Co. No. 6.....	Percy.....	7	Goodman.....	216,701
22	Consolidated Coal Co. No. 8.....	Mt. Olive.....	17	Harrison.....	199,222
23	O'Gara Coal Co. No. 4.....	Harrisburg.....	7	Morgan-Gardner.....	193,664
24	Madison Coal Corporation No. 5.....	Mt. Olive.....	17	Ingersoll-Sergeant.....	183,056
25	Kortkamp Coal Co. No. 1.....	Hillsboro.....	8	Goodman.....	173,458
26	De Camp Coal Mining Co.....	Staunton.....	6	Goodman.....	164,758
27	O'Gara Coal Co. No. 10.....	Eldorado.....	6	Morgan-Gardner.....	161,783
28	O'Gara Coal Co. No. 7.....	Carrier Mills....	5	Morgan-Gardner.....	161,698
29	Superior Coal & Mining Co.....	Belleville.....	12	Herzler-Henninger.....	153,797
30	Stonington Coal Co.....	Stonington.....	6	Goodman.....	142,894
31	Consolidated Coal Co. No. 10.....	Mt. Olive.....	19	{ 18 Harrison..... 1 Belleville..... }	132,116
32	Kerns-Donnewald Coal Co.....	Worden.....	7	{ 5 Jeffrey..... 2 Goodman..... }	131,988
33	Trenton Mining Co.....	Trenton.....	24	Ingersoll-Sergeant.....	127,369
34	O'Gara Coal Co. No. 8.....	Eldorado.....	5	Morgan-Gardner.....	125,678
35	W. P. Rend Coal Co.....	Benton.....	10	Morgan-Gardner.....	113,831
36	Consolidated Coal Co. No. 7.....	Staunton.....	11	Harrison.....	108,908
37	Moffat Coal Co.....	Sparta.....	12	Sullivan.....	106,579
38	Lumaghi Coal Co. No. 3.....	Collinsville.....	11	Sullivan.....	104,931
39	Missouri & Illinois Coal Co.....	Willisville.....	6	Goodman.....	100,999
40	Breese-Trenton Coal Co.....	Breese.....	17	{ 15 Ingersoll-Sergeant... 2 Harrison..... }	88,999
41	Consolidated Coal Co.....	Collinsville.....	6	Harrison.....	88,966
42	Illinois Fuel Co.....	Sparta.....	4	Goodman.....	68,565
3	Big Muddy River Coal Co.....	Johnston City..	9	{ 6 Sullivan..... 3 Harrison..... }	62,794

Table 59—Concluded.

Number.	COMPANY.	Location.	MACHINES.		Tons.
			No.	Name.	
44	O'Gara Coal Co.....	Eldorado.....	4	Morgan-Gardner.....	61,665
45	Borders Coal Co. No. 2.....	Marissa.....	8	Sullivan.....	59,494
46	Southern Coal & Mining Co. No. 1.....	Belleville.....	5	Sullivan.....	51,902
47	Interstate Coal & Mining Co.....	Staunton.....	3	Sullivan.....	50,289
48	Hart-Williams Coal Co.....	Benton.....	5	Morgan-Gardner.....	49,914
49	Southern Coal & Mining Co. No. 3.....	Belleville.....	5	Herzler-Henninger.....	49,431
50	Beaty Coal Co.....	Mascoutah.....	4	{ 2 Sullivan..... 2 Harrison..... }	39,600
51	Gus Blair & B. M. Coal Co. No. 1.....	Murphysboro...	5	Ingersoll-Sergeant.....	39,122
52	Dering Coal Co. No. 18.....	W. Frankfort...	10	Sullivan.....	38,300
53	Consolidated Coal Co., Gillespie.....	Gillespie.....	6	Harrison.....	37,551
54	West Virginia Coal Co.....	Marissa.....	3	{ 2 Morgan-Gardner..... 1 Jeffrey..... }	37,062
55	Southern Coal & Mining Co. No. 4.....	Belleville.....	4	Harrison.....	28,383
56	Dewey Coal Co.....	do.....	4	{ 3 Harrison..... 1 Herzler-Henninger.... }	22,722
57	Schmidgall Coal Co.....	Murphysboro...	3	Harrison.....	13,848
58	Gus Blair Coal Co. No. 2.....	do.....	2	Harrison.....	7,542
59	Wm. Neil & Co.....	Bunker Hill....	.....	Harrison.....	5,409
60	Keystone B. M. C. Co.....	Marissa.....	2	Sullivan.....	4,658
			754		11,246,285

Table 60 shows a list of the machines in use, and mines where coal is cut exclusively by machines. In forty-three mines, six of the leading machines were used singly, besides being used in conjunction with other machines.

TABLE 60—*Machine Mining exclusively, Name and Number of Machines, Number of Mines, Men, Days and Tons.*

Names of Machines.	Machines.	Mines.	Men.	Days.	Tons.
Sullivan.....	209	13	2,676	173	2,291,894
Ingersoll-Sergeant.....	87	4	1,112	179	916,217
Goodman.....	70	8	1,916	215	1,920,186
Morgan-Gardner.....	58	9	1,789	212	1,410,141
Harrison.....	49	7	600	186	484,384
Herzler-Henninger.....	17	2	202	165	203,228
Sullivan, 56—Ingersoll-Sergeant, 17.....	73	2	880	223	968,632
Harrison, 27—Sullivan, 11—Jeffrey, 2.....	40	1	469	228	509,927
Sullivan, 37—Harrison, 6.....	43	3	497	230	503,496
Harrison, 18—Yock, 1.....	19	1	252	231	235,218
Harrison, 18—Belleville, 1.....	19	1	225	144	132,116
Goodman, 10—Jeffrey, 7.....	17	2	562	187	549,516
Ingersoll-Sergeant, 15—Harrison, 2.....	17	1	150	164	88,999
Morgan -Gardner, 11—Goodman, 1.....	12	1	382	182	368,548
Jeffrey, 7—Sullivan, 3.....	10	1	297	200	325,254
Jeffrey, 5—Goodman, 1—Morgan-Gardner, 1.....	7	1	206	223	233,736
Harrison, 3—Herzler-Henninger, 1.....	4	1	20	152	22,722
Morgan-Gardner, 2—Jeffrey, 1.....	3	1	72	175	37,062
Not reported.....		2	50	195	45,009
Totals.....	754	60	12,357	193	11,246,285

Table 61 is another list of operators and machines where only part of the coal is cut by machines.

TABLE 61—*Mines in which only Part of the Output is Cut by Machines.*

Number.	COMPANY.	Location.	MACHINES.		Tons.
			No.	Name.	
1	Chicago-Carterville Coal Co. A.....	Herrin.....	30	Sullivan.....	384,302
2	St. Louis & O'Fallon Coal Co., No. 2...	Belleville.....	31	do.....	364,419
3	Madison Coal Co., No. 6.....	Divernon.....	11	{ 9 Goodman..... 2 Jeffrey..... }	334,291
4	O'Gara Coal Co., No. 3.....	Harrisburg.....	7	Morgan-Gardner.....	241,093
5	Illinois Collieries Co., No. 1.....	Virden.....	11	Goodman.....	201,075
6	Madison Coal Corporation, No. 2.....	Glen Carbon.....	22	Ingersoll-Sergeant.....	179,199
7	Willis Coal & Mining Co., No. 1.....	Willisville.....	11	{ 6 Goodman..... 5 Sullivan..... }	161,388
8	Odin Coal Co.....	Odin.....	8	{ 4 Jeffrey..... 4 Link-Belt..... }	154,223
9	Benton Coal Co.....	Benton.....	9	{ 6 Morgan-Gardner..... 1 Jeffrey..... 1 Goodman..... 1 Sullivan..... }	138,626
10	United Coal Co.....	Christopher.....	10	{ 7 Morgan-Gardner..... 2 Goodman..... 1 Jeffrey..... }	135,537
11	Madison Coal Corporation, No. 4.....	Glen Carbon.....	21	Ingersoll-Sergeant.....	133,392
12	Joe Taylor Coal Co., St. Ellans.....	O'Fallon.....	13	Sullivan.....	128,450
13	Sunnyside Coal Co., No. 1.....	Herrin.....	19	do.....	109,813
14	Big Muddy Coal & Iron Co, Harrison..	Murphysboro...	9	Harrison.....	108,060
15	O'Gara Coal Co., No. 2.....	Harrisburg.....	6	Morgan-Gardner.....	103,228
16	Saline County Coal Co., No. 2.....	do.....	4	do.....	95,748
17	Saline County Coal Co., No. 1.....	do.....	4	Ingersoll-Sergeant.....	84,065
18	Southern Coal & Mining Co., No. 7....	Belleville.....	7	Harrison.....	69,569
19	Consumers' Coal & Mining Co., No. 2...	Johnston City..	12	Sullivan.....	67,445
20	Big Muddy Coal & Iron Co., No. 6....	Murphysboro...	9	Harrison.....	59,416
21	Franklin County Collieries Co.....	Sesser.....	20	{ 15 Sullivan..... 5 Ingersoll-Sergeant..... }	54,811
22	Vivian Collieries Co., Green Ridge....	Green Ridge...	4	Morgan-Gardner.....	54,366
23	Royal Coal & Mining Co.....	Belleville.....	9	Sullivan.....	57,400
24	Dering Coal Co., No. 11.....	W. Frankfort...	15	{ 13 Harrison..... 2 Ingersoll-Sergeant..... }	50,280
25	Big Muddy Coal & Iron Co.....	Murphysboro...	5	Electric.....	45,635
26	Black Diamond Coal Co.....	Auburn.....	8	Goodman.....	43,743
27	Chicago & Carbondale Coal Co.....	DeSoto.....	9	Harrison.....	40,000

Table 61—Concluded.

Number.	COMPANY.	Location.	MACHINES.		Tons.
			No.	Name.	
28	Avery Coal Mining Co.....	Winkle.....	7	{ 4 Harrison..... 3 Sullivan..... }	35,646
29	Peabody Coal Co., No. 2.....	Marion.....	4	Goodman.....	31,921
30	Gartside Coal Co., No. 4.....	Murphysboro...	4	Ingersoll-Sergeant.....	31,787
31	Glendale Coal Co.....	Belleville.....	5	Herzler & Henninger.....	29,528
32	Gartside Coal Co., No. 3.....	Murphysboro...	4	Ingersoll-Sergeant.....	28,764
33	Peabody Coal Co., No. 1.....	Nokomis.....	5	{ 4 Sullivan..... 1 Ingersoll-Sergeant.... }	28,069
34	Henrietta Coal Co.....	Edwardsville...	8	{ 7 Ingersoll-Sergeant.... 1 Harrison..... }	27,946
35	Southern Coal & Mining Co., No. 11....	Germantown...	4	{ 2 Jeffrey..... 2 Sullivan..... }	26,121
36	Manufacturers' & Consumers' C. Co....	Decatur.....	4	Harrison.....	25,260
37	Little Vermilion Coal Co.....	Georgetown....	12	Sullivan.....	24,697
38	Pocahontas Mining Co.....	Pocahontas....	6	{ 3 Ingersoll-Sergeant.... 2 Harrison..... 1 Sullivan..... }	13,790
39	Jupiter Coal Mining Co., No. 5.....	Duquoin.....	4	{ 2 Ingersoll-Sergeant.... 2 Sullivan..... }	26,007
40	Harrisburg Southern Coal Co.....	Grayson.....	6	Morgan-Gardner.....	13,400
41	Scranton & Big Muddy Coal Co.....	Marion.....	3	{ 2 Ingersoll-Sergeant.... 1 Sullivan..... }	8,283
42	Eldorado Mining Co.....	Eldorado.....	2	Goodman.....	7,000
43	Peabody Coal Co., No. 3.....	Marion.....	2	{ 1 Jeffrey..... 1 Goodman..... }	3,303
44	Madison Coal Corporation, No. 8.....	Dewmaine.....	1	Jeffrey.....	2,500
45	Donk Bros. Coal & Coke Co.....	Donkville.....	1	Goodman.....	542
			406		3,964,138

POWDER USED IN MINES.

Table 62 shows, by districts, all mines of the State both shipping and local in which powder is used for blasting the coal. All employes are included in the number of men. Comparing each item of the table with those of last year, it is found that the number of mines increased three per cent, men 7.8 per cent, kegs of powder 5.3 per cent and tons of coal 7.3 per cent. Directing attention to the number of tons of coal reduced by powder in the mines of the State, and the number of men employed during the past year, it is found that this tonnage amounts to 91.7 per cent of the total product for the year, and 84.6 per cent of all employes.

The powder cost the men \$2,324,795.00 or \$38.78 to each person employed. The same showing is made for the eight previous years.

TABLE 62—*Distribution of Powder Used in all Mines, by Districts, and for Eight Previous Years.*

DISTRICTS.	POWDER USED IN BLASTING COAL.					
	Mines.	Men.	Kegs.	Tons of coal.	Kegs per man.	Tons per keg.
First.....	36	3,868	22,703	1,658,089	5.87	73.03
Second.....	50	1,464	42,135	896,826	2.87	21.24
Third.....	87	2,007	68,427	1,382,666	34.90	20.21
Fourth.....	86	3,814	129,396	2,389,320	60.15	10.42
Fifth.....	44	4,171	100,183	2,801,928	24.02	27.96
Sixth.....	69	8,041	268,465	5,922,797	33.38	22.06
Seventh.....	39	8,275	113,472	7,178,183	13.71	63.25
Eighth.....	108	9,347	164,830	8,098,762	17.63	49.13
Ninth.....	67	7,925	179,755	6,293,556	22.68	35.01
Tenth.....	116	11,031	239,088	8,550,044	19.03	40.71
The State.....	702	59,943	1,328,454	45,172,171	23.51	32.28
1907.....	681	55,591	1,261,910	42,080,835	22.70	33.35
1906.....	727	34,452	1,027,373	34,260,359	29.82	33.25
1905.....	556	33,115	928,500	32,898,350	28.34	35.05
1904.....	591	29,924	923,418	32,336,448	30.86	35.02
1903.....	639	40,267	806,311	30,937,409	20.02	38.37
1902.....	657	36,559	637,448	25,566,523	17.40	40.01
1901.....	585	34,570	477,612	16,283,180	13.82	34.09
1900.....	621	29,677	490,713	19,979,219	16.50	40.71

Table 63 shows the distribution of powder in all shipping mines, by districts. The number of miners shown in this table does not include any other class of employ  s working in the mines.

The number of kegs of powder to each man, for the State, was 32.8, while thirty-four tons of coal was produced to each keg exploded.

TABLE 63—*Distribution of Powder in all Shipping Mines, by Districts.*

Districts.	Number of mines.	Number of miners.	Total number of tons.	Number of kegs of powder.	Number of kegs per man.	Number of tons per keg.
First.....	19	2,593	1,515,249	17,718	7.02	85.51
Second.....	7	775	775,903	37,023	47.77	20.96
Third.....	18	1,117	1,146,455	55,852	50.00	20.53
Fourth.....	34	2,544	2,306,542	125,161	49.59	18.28
Fifth.....	16	2,707	2,606,327	95,781	35.38	27.21
Sixth.....	46	5,363	5,840,028	264,835	49.38	22.05
Seventh.....	37	5,599	7,173,183	113,332	20.23	63.30
Eighth.....	75	6,253	7,930,813	159,223	25.46	47.93
Ninth.....	56	5,375	6,242,678	178,519	33.29	35.03
Tenth.....	67	7,131	8,439,749	236,385	33.95	35.70
Totals.....	375	39,457	43,976,927	1,283,629	32.77	34.24

Tables 64, 65 and 66, show by districts, the use of powder in three classes of shipping mines. Table 64 gives the record where the coal is mined by hand. In these mines, each miner used an average of 38.7 kegs, every keg of powder producing 25.1 tons of coal.

Table 65 is the record of mines where machines are used exclusively for cutting the coal. In this class of mines, each miner used 15.6 kegs of powder, which gave him 93.6 tons of coal to every keg.

Table 66 is a list of mines where coal is mined both by hand and machine. In this class the result is 27.1 kegs of powder to each man, and 45.7 tons to each keg.

TABLE 64—*Consumption of Powder in Shipping Mines, Hand Mining Exclusively, by Districts.*

Districts.	Number of mines.	Number of miners.	Number of tons.	Number of kegs of powder.	Number of kegs per man.	Number of tons per keg.
First.....	19	2,593	1,515,249	17,718	7.02	85.52
Second.....	7	775	775,903	37,023	47.77	20.96
Third.....	18	1,117	1,146,455	55,852	50.00	20.53
Fourth.....	34	2,544	2,306,542	125,161	49.59	18.28
Fifth.....	14	2,230	2,167,291	84,324	36.98	25.70
Sixth.....	43	4,732	4,882,060	246,034	51.99	19.84
Seventh.....	20	2,806	2,962,934	78,089	27.82	37.94
Eighth.....	45	2,580	2,622,894	90,153	36.35	29.06
Ninth.....	37	3,205	3,359,827	123,973	38.68	27.10
Tenth.....	34	3,480	3,985,644	151,771	43.61	26.26
Total.....	271	26,112	25,724,799	1,010,098	38.67	25.48
Percentages.....	72.27	66.19	58.50	78.69	.....	.....

TABLE 65—*Consumption of Powder in Shipping Mines, Machine Mining Exclusively, by Districts.*

Districts.	Number of mines.	Number of machines.	Number of miners.	Number of tons.	Number of kegs.	Number of kegs per man.	Number of tons per keg.
Sixth.....	1	12	235	368,545	4,887	20.80	75.41
Seventh.....	14	286	2,350	3,794,435	26,213	11.58	144.72
Eighth.....	20	212	2,429	3,587,939	32,234	13.27	111.00
Ninth.....	10	127	1,255	1,678,822	29,723	23.60	56.48
Tenth.....	14	103	1,430	1,811,132	27,098	18.95	66.84
Total.....	59	740	7,699	11,240,876	120,155	15.61	93.55
Percentage.....	15.73	.....	19.51	25.56	9.36	.....	.....

TABLE 66—*Consumption of Powder in Shipping Mines, Hand and Machine Mining Combined, by Districts.*

Districts.	Number of mines.	Number of machines.	* Number of miners.	Number of tons.	Number of kegs of powder.	Number of kegs per man.	Number of tons per keg.
Fifth.....	2	16	427	439,036	11,457	26.83	38.32
Sixth.....	2	19	396	589,420	13,914	35.11	42.36
Seventh.....	3	20	443	415,814	9,040	20.41	46.00
Eighth.....	10	123	1,244	1,719,980	36,836	29.61	46.69
Ninth.....	9	88	915	1,204,029	24,523	26.80	49.11
Tenth.....	19	154	2,221	2,642,973	57,601	25.93	44.88
Totals.....	45	420	5,646	7,011,252	153,376	27.17	45.71
Percentages.....	12.00		14.30	15.94	11.91		

Table 67 presents for the past three years, the percentages of mines, miners, tons and kegs of powder, of shipping mines, and clearly indicates the manner of mining that is most favorable to the miner, especially as to the use and the expense of the powder consumed.

TABLE 67—*Percentages of Mines, Miners, Tons and Kegs of Powder Represented in Shipping Mines, where Powder is Used for Blasting Coal, also Averages, Kegs of Powder per Man and Tons per keg.*

CLASSIFICATION.	1908.			1907.			1906.		
	MINING BY—			MINING BY—			MINING BY—		
	Hand.	Machine.	Hand and machine.	Hand.	Machine.	Hand and machine.	Hand.	Machine.	Hand and machine.
Per cent of number of—									
Mines.....	72.3	15.7	12.0	74.3	15.1	10.6	78.7	14.2	7.1
Miners.....	66.2	19.5	14.3	69.4	19.4	11.2	71.6	18.5	9.9
Tons.....	58.5	25.6	15.9	62.1	24.9	13.0	65.7	22.8	11.5
Kegs of powder.....	78.7	9.4	11.9	82.3	8.9	8.8	82.9	7.6	9.5
Average—									
Kegs per man.....	38.7	15.6	27.2	40.8	15.8	26.9	34.7	12.3	28.7
Tons per keg.....	25.5	93.6	45.7	25.8	96.0	51.8	26.9	101.4	41.0

BLASTING DOWN COAL IN THE MINES.

Table 68 presents, by districts, the manner of mining coal in shipping mines. Of the 407 shipping mines, 375 or ninety-two per cent are represented in this table. Blasting coal from the solid is followed in all of the districts embracing 250 or 66.7 per cent of all the mines, and producing 55.7 per cent of the tonnage. In seven of the districts, seventy-eight or 20.8 per cent of the mines, the coal was undercut before blasting reducing 28.9 per cent of the tons. Both of the named methods prevailed in forty-seven or 12.5 per cent of the mines yielding 15.3 per cent of the output.

TABLE 68—*Method of Mining in Shipping Mines where Powder is Used for Blasting Down the Coal—1908.*

DISTRICTS.	BLASTED FROM THE SOLID.		UNDERCUT BEFORE BLASTING.		BOTH METHODS USED.		TOTALS.	
	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.	Mines.	Tons.
First.....	2	78,489	6	640,570	11	796,190	19	1,515,249
Second.....	5	703,796			2	72,107	7	775,903
Third.....	18	1,146,455					18	1,146,455
Fourth.....	34	2,306,542					34	2,306,542
Fifth.....	15	2,497,633	1	108,694			16	2,606,327
Sixth.....	43	4,882,060	1	368,548	2	589,420	46	5,840,028
Seventh.....	20	2,962,934	14	3,794,435	3	415,814	37	7,173,183
Eighth.....	45	2,621,994	20	3,587,439	10	1,721,380	75	7,930,813
Ninth.....	37	3,359,827	10	1,678,822	9	1,204,029	56	6,242,678
Tenth.....	31	3,955,642	26	2,545,693	10	1,938,414	67	8,439,749
The State.....	250	24,515,372	78	12,724,201	47	6,737,354	375	43,976,927

SUMMARY OF ALL MINES.

Tables 69, 70, 71 and 72 are summaries of all the salient items of the coal industry, shown by districts, that appear in detail in the several county tables to be found in the reports of the several State Inspectors of Mines.

TABLE 69—*Summary by Districts—Shipping and Local Mines—Number of Counties and Production—1908.*

DISTRICTS AND MINES.	Counties.	Number of mines.	Total tons of coal produced.	GRADED PRODUCT—TONS OF—					
				Mine run.	Lump.	Egg.	Nut.	Pea.	Slack or waste.
First.....	4	63	2,980,228	478,339	1,582,881	203,382	44,437	610,682	60,507
Shipping.....	4	29	2,768,645	313,787	1,542,632	203,382	44,437	603,900	60,507
Local.....	3	34	211,583	164,552	40,249	.....	.....	6,782	.....
Second.....	6	131	2,373,935	143,455	1,657,438	100,536	1,831	402,279	68,396
Shipping.....	4	15	2,157,151	140,193	1,465,854	100,536	1,831	380,381	68,356
Local.....	6	116	216,784	3,262	191,584	.....	.....	21,898	40
Third.....	6	103	2,370,764	685,887	1,123,546	53,050	83,584	388,862	35,835
Shipping.....	5	26	2,130,461	524,601	1,063,864	53,050	83,584	369,697	35,665
Local.....	4	77	240,303	161,286	59,682	.....	.....	19,165	170
Fourth.....	5	146	2,524,602	358,280	10,92,124	365,521	98,400	555,764	54,513
Shipping.....	5	37	2,411,554	321,316	1,021,971	365,521	98,400	555,764	48,582
Local.....	4	109	113,048	36,964	70,153	.....	.....	.....	5,931
Fifth.....	3	47	2,902,369	1,383,032	853,426	13,662	159,659	469,445	23,145
Shipping.....	2	18	2,705,468	1,239,043	817,449	13,662	153,020	459,149	23,145
Local.....	2	29	196,901	143,989	35,977	.....	6,639	10,296	.....
Sixth.....	6	71	5,923,197	1,450,796	2,511,337	292,746	229,469	1,283,529	155,320
Shipping.....	3	46	5,840,028	1,420,783	2,475,001	292,746	229,469	1,267,289	154,740
Local.....	5	25	83,169	30,013	36,336	.....	.....	16,240	580
Seventh.....	8	75	7,237,368	1,402,341	3,667,768	165,329	119,074	1,467,206	415,659
Shipping.....	4	37	7,173,183	1,357,124	3,652,736	165,329	117,712	1,464,632	415,650
Local.....	8	38	64,185	45,217	15,032	.....	1,362	2,574	.....
Eighth.....	3	112	8,101,263	1,488,945	4,066,879	260,606	277,264	1,699,077	308,492
Shipping.....	3	75	7,930,813	1,318,495	4,066,879	260,606	277,264	1,699,077	308,492
Local.....	2	37	170,450	170,450	.....	.....	.....	.....	.....
Ninth.....	8	67	6,293,691	1,829,020	2,017,085	512,018	508,935	1,140,528	286,015
Shipping.....	7	56	6,242,678	1,789,767	2,006,993	512,018	508,070	1,140,315	285,515
Local.....	3	11	50,923	39,253	10,092	.....	865	213	500
Tenth.....	5	107	8,565,125	2,004,445	2,594,079	627,486	1,265,467	1,623,542	450,106
Shipping.....	4	68	8,449,749	1,942,578	2,557,871	626,736	1,250,428	1,623,542	448,594
Local.....	5	39	115,376	61,867	36,208	750	15,039	.....	1,512
The State.....	54	922	49,272,452	11,224,540	21,166,563	2,594,336	2,788,120	9,640,914	1,857,979
Shipping.....	41	407	47,809,730	10,367,687	20,671,250	2,593,586	2,764,215	9,563,746	1,849,246
Local.....	42	515	1,462,722	856,853	495,313	750	23,905	77,168	8,733

TABLE 70—*Summary by Districts of the Total Tons and the Disposition of the Output—1908.*

DISTRICTS AND MINES.	Total tons produced.	Aggregate value of total product.	Average value per ton all grades.	DISPOSITION OF OUTPUT—TONS.			
				Shipped from mines.	Supplied to loco- motives at mines.	Sold to local trade.	Consumed and wasted at mines.
First.....	2,980,228	4,447,800	\$1.49	2,349,640	115,450	198,205	316,933
Shipping.....	2,768,645	4,113,933	1.47	2,349,640	115,450	136,847	166,708
Local.....	211,583	333,867	1.58	.....	.....	61,358	150,225
Second.....	2,373,935	3,296,751	1.39	1,974,102	28,677	257,262	113,894
Shipping.....	2,157,151	2,917,220	1.35	1,974,102	28,677	4,409	110,263
Local.....	216,784	379,531	1.75	.....	.....	213,153	3,631
Third.....	2,370,764	3,244,564	1.37	1,935,819	82,921	276,419	75,605
Shipping.....	2,130,461	2,876,099	1.35	1,935,819	82,921	51,050	60,671
Local.....	240,303	368,465	1.53	.....	.....	225,369	14,934
Fourth.....	2,524,602	3,002,398	1.19	2,173,074	63,008	219,867	68,653
Shipping.....	2,411,554	2,820,999	1.12	2,173,074	63,008	106,819	68,653
Local.....	113,048	181,399	1.61	.....	.....	113,048	.....
Fifth.....	2,902,369	2,994,434	1.03	2,472,544	30,105	298,672	101,048
Shipping.....	2,705,468	2,750,346	1.02	2,472,544	30,105	160,440	42,379
Local.....	196,901	244,088	1.24	.....	.....	138,232	58,669
Sixth.....	5,923,197	5,794,889	0.98	5,254,418	113,832	342,420	212,527
Shipping.....	5,840,028	5,684,320	0.97	5,254,418	113,832	260,771	211,007
Local.....	83,169	110,369	1.33	.....	.....	81,649	1,520
Seventh.....	7,237,368	6,891,805	0.95	6,408,120	160,576	231,097	437,575
Shipping.....	7,173,183	6,768,072	0.94	6,408,120	160,576	171,200	433,287
Local.....	64,185	123,733	2.01	.....	.....	59,897	4,288
Eighth.....	8,101,263	7,191,424	0.89	7,478,913	52,932	299,947	269,471
Shipping.....	7,930,813	6,971,950	0.89	7,478,913	52,932	129,497	269,471
Local.....	170,450	219,474	1.29	.....	.....	170,450	.....
Ninth.....	6,293,601	5,992,833	0.95	5,605,928	255,830	182,649	249,194
Shipping.....	6,242,678	5,929,352	0.95	5,605,928	243,330	146,726	246,694
Local.....	50,923	63,481	1.25	.....	12,500	35,923	2,500
Tenth.....	8,565,125	8,127,184	0.95	7,905,487	113,029	210,828	335,781
Shipping.....	8,449,749	7,978,256	0.94	7,905,487	113,029	95,452	335,781
Local.....	115,376	148,928	1.39	.....	.....	115,376	.....
The State.....	49,272,452	50,989,082	\$1.03	43,558,055	1,016,360	2,517,356	2,180,681
Shipping.....	47,809,730	48,810,747	\$1.02	43,558,055	1,003,860	1,302,901	1,944,914
Local.....	1,462,722	2,178,335	1.50	.....	12,500	1,214,455	235,767

TABLE 71.—*Summary by Districts, Tons Mined by Hand and Machine, Price Paid for Mining, Machines, Powder—1908*

DISTRICTS AND MINES.	TONS MINED BY—		AVERAGE PRICE PAID PER TON FOR—		MACHINES.		POWDER.	
	Hand	Machine.	Hand mining.	Machine mining.	Number of mines using.	Number in use.	Used for blasting coal.	For other purposes.
First.....	2,980,228		\$0.8256				22,703	625
Shipping.....	2,768,645		\$0.83				17,718	625
Local.....	211,583		0.79				4,985	
Second.....	2,373,935		\$0.7818				42,135	808
Shipping.....	2,157,151		\$0.762				37,023	808
Local.....	216,784		0.977				5,112	
Third.....	2,370,764		\$0.694				68,427	119
Shipping.....	2,130,461		\$0.689				55,852	119
Local.....	240,303		0.75				12,575	
Fourth.....	2,524,602		\$0.642				129,396	268
Shipping.....	2,411,554		\$0.64				125,161	268
Local.....	113,048		0.882				4,235	
Fifth.....	2,852,412	49,957	\$0.5598	\$0.5724	2	16	100,183	25
Shipping.....	2,655,511	49,957	\$0.564	\$0.5724	2	16	95,781	25
Local.....	196,901		0.55				4,402	
Sixth.....	5,176,615	746,582	\$0.5603	\$0.48	3	31	268,465	75
Shipping.....	5,093,446	746,582	\$0.559	\$0.48	3	31	264,835	75
Local.....	83,169		0.601				3,630	
Seventh.....	3,154,014	4,083,354	\$0.554	\$0.48	18	354	113,472	413
Shipping.....	3,095,238	4,077,945	\$0.554	\$0.48	17	306	113,332	413
Local.....	58,776	5,409	0.561	0.48	1	48	140	
Eighth.....	3,509,089	4,592,174	\$0.5501	\$0.48	30	341	164,830	121
Shipping.....	3,338,639	4,592,174	\$0.55	\$0.48	30	341	159,223	121
Local.....	170,450		0.557				5,607	
Ninth.....	3,832,140	2,461,461	\$0.5204	\$0.463	19	219	179,755	159
Shipping.....	3,781,217	2,461,461	\$0.52	\$0.463	19	219	178,319	159
Local.....	50,923		0.555				1,436	
Tenth.....	5,288,230	3,276,895	\$0.4798	\$0.431	33	243	239,088	79
Shipping.....	5,172,854	3,276,895	\$0.478	\$0.431	33	243	236,335	79
Local.....	115,376		0.56				2,703	
The State.....	34,062,029	15,210,423	\$0.5956	\$0.467	105	1,204	1,328,454	2,692
Shipping.....	32,604,716	15,205,014	\$0.593	\$0.467	104	1,156	1,283,629	2,692
Local.....	1,457,313	5,409	0.803		1	48	44,825	

TABLE 12—*Summary by Districts, Employés, Days in Operation, Casualties—1908.*

DISTRICTS. AND MINES.	Total number employés	EMPLOYÉS.				Average days of opera- tion.	CASUALTIES.	
		Miners.	Others under ground.	Boys under ground.	All above ground.		Killed.	Injured.
First.....	6,800	4,866	1,175	146	613	217	16	84
Shipping.....	6,379	4,547	1,125	141	566	227	16	84
Local.....	421	319	50	5	47	207	.....	.....
Second.....	5,802	4,198	1,000	144	460	151	6	88
Shipping.....	5,134	3,631	975	144	384	201	6	84
Local.....	668	567	25	.....	76	144	.....	4
Third.....	4,125	3,045	628	93	359	168	4	40
Shipping.....	3,627	2,649	592	93	293	213	4	40
Local.....	498	396	36	.....	66	152	.....	.....
Fourth.....	4,306	3,193	711	71	331	165	3	24
Shipping.....	3,841	2,761	690	71	319	199	3	20
Local.....	465	432	21	.....	12	153	.....	4
Fifth.....	4,357	3,079	845	75	258	186	19	60
Shipping.....	4,047	2,852	915	74	206	205	19	60
Local.....	310	227	30	1	52	174	.....	.....
Sixth.....	8,044	5,510	1,593	233	708	170	17	43
Shipping.....	7,854	5,363	1,591	233	667	190	17	43
Local.....	190	147	2	.....	41	144	.....	.....
Seventh.....	9,054	5,838	2,144	261	811	177	28	90
Shipping.....	8,749	5,599	2,128	253	769	187	28	90
Local.....	305	239	16	8	42	168	.....	.....
Eighth.....	9,362	6,456	1,810	173	923	174	22	86
Shipping.....	9,106	6,253	1,806	173	874	173	20	85
Local.....	256	203	4	.....	49	189	2	1
Ninth.....	7,928	5,445	1,527	130	826	185	32	70
Shipping.....	7,835	5,375	1,522	129	809	189	32	70
Local.....	93	70	5	1	17	165	.....	.....
Tenth.....	11,063	7,301	2,396	238	1,128	155	28	89
Shipping.....	10,898	7,164	2,382	238	1,114	179	27	89
Local.....	165	137	14	.....	14	150	1	.....
The State.....	70,841	48,931	13,929	1,564	6,417	171	175	674
Shipping.....	67,470	46,194	13,726	1,549	6,001	191	172	665
Local.....	3,371	2,737	203	15	416	161	3	19

PHYSICAL CHARACTERISTICS OF THE COAL MINES OF THE STATE, 1908.

The bureau is indebted to those in charge and conducting the present State Geological Survey of the State, as well as to the State Inspector of Mines, for a careful review and revision of numbering of the geological seams of coal heretofore published in these reports. The changes agreed upon and made in the numbering of the different seams are shown in the following table. The changes shown include only those which are considered reasonably certain. Other changes have been made by the State Inspectors which do not appear in this table, but may be found in table 74 following where the location of every mine in the State is shown, by counties. Further changes may be made as the work of the survey progresses. The most notable as well as the most important change shown is that of all of the mines in Williamson county, giving these mines as being No. 6 seam instead of No. 7. The State Geologists say in their report as to this county, "This change will doubtless surprise some of the operators since the Williamson county coal is higher grade than No. 6 to the northwest. The correlation of this seam is clearly demonstrated, however, by boring records collected this summer," 1908. The table is arranged by counties, giving the location of each mine also designating each mine by the name of the operator as shown in the coal report of 1907.

In parallel columns appear the number of the coal seams, shown as old and new, the old numbering refers to the number as heretofore published in the coal reports of the bureau, and corresponded with the numbers given in the report of the first Geological Survey of Illinois.

The new numbers are those given by the present survey, as herein stated.

TABLE 73—*Revised and Corrected Numbering of the Geological Seams of Coal, by Counties, Location and Name of Mine, with the Old and New Numbers.*

COUNTY.	Location.	Mine.	GEOLOGICAL NUMBER OF SEAM.		Authority.
			Old 1907	New 1908	
Brown.....	Ripley.....	Hall.....	1	2	Survey.....
Brown.....	Mt. Sterling.....	Six.....	1	2	..do.....
Calhoun.....	Golden Eagle....	Brick Co.....	1	2	Survey and inspection..
Christian.....	Assumption.....	Assumption Co.....	1	1 & 2	Survey.....
Clinton.....	Trenton.....	Trenton Co.....	7	6	..do.....
Franklin.....	Zeigler.....	Zeigler Co.....	7	6	..do.....

Table 73—Continued.

COUNTY.	Location.	Mine.	GEOLOGICAL NUMBER OF SEAM.		Authority.
			Old 1907	New 1908	
Franklin.....	Sesser.....	Sesser Co.....	7	6	Survey.....
Franklin.....	Benton.....	Rend Co.....	7	6	..do.....
Fulton.....	Ellisville.....	Spoon River Co.....	5	1	..do.....
Gallatin.....	Equality.....	Gallatin Co.....	6	5	..do.....
Gallatin.....	..do.....	Dempsey.....	6	5	Survey and inspector..
Gallatin.....	..do.....	Anderson.....	6	5	Survey.....
Gallatin.....	..do.....	Baldwin.....	6	5	..do.....
Gallatin.....	..do.....	Vandell Co.....	6	5	..do.....
Greene.....	Whitehall.....	Railway Co.....	1	2	..do.....
Jackson.....	Hallidayboro.....	Muddy Valley Co.....	7	6	..do.....
Jackson.....	DeSota.....	Inland Co.....	7	6	..do.....
Jackson.....	Carbondale.....	Chicago & Co.....	7	6	..do.....
Macon.....	Blue Mound.....	Blue Mound Co.....	5	5	..do.....
Madison.....	Troy.....	Brookside Co.....	7	6	..do.....
Madison.....	East Alton.....	Stoneware Co.....	1	2	..do.....
Saline.....	Galatia.....	Galatia Co.....	5	6	..do.....
Saline.....	Eldorado.....	Dobyns.....	5	6	..do.....
Sangamon.....	Thayer.....	Chi., Will & Ver. Co....	5	6	Survey and inspector..
Sangamon.....	Divernon.....	Madison Corp.....	5	6	..do.....
Sangamon.....	Auburn.....	Black Diamond Co.....	5	6	..do.....
Sangamon.....	Pawnee.....	Illinois Midland Co.....	5	6	..do.....
Sangamon.....	..do.....	Auburn & Alton.....	5	6	..do.....
Scott.....	Alsey.....	McGuire, J.....	1	2	Survey.....
Scott.....	Exeter.....	Berry.....	1	2	..do.....
Scott.....	Alsey.....	McGuire, P.....	1	2	..do.....
St. Clair.....	*Trenton.....	Breese-Trenton Co.....	7	6	Survey and inspector..
St. Clair.....	O'Fallon.....	Silver Creek Co.....	7	6	Survey.....
St. Clair.....	..do.....	International Co.....	7	6	Survey and inspector..
St. Clair.....	Lebanon.....	Lebanon City Co.....	7	6	Survey.....
White.....	Norris City.....	Norris City Co.....	.....	6	Survey and inspector..
Williamson.....	Herrin.....	Big Muddy Coal & I. Co..	7	6	Survey.....
Williamson.....	..do.....	Chicago & Carterville Co..	7	6	..do.....
Williamson.....	..do.....	Sunnyside Co.....	7	6	..do.....
Williamson.....	..do.....	Chicago & Herrin Co.....	7	6	..do.....
Williamson.....	..do.....	St. Louis & Carterville C.	7	6	..do.....
Williamson.....	..do.....	†Carterville Mining Co....	7	6	..do.....

Table 73—Concluded.

COUNTY.	Location.	Mine.	GEOLOGICAL NUMBER OF SEAM.		Authority.
			Old 1907	New 1908	
Williamson.....	Herrin.....	†Watson Co.....	7	6	Survey.....
Williamson.....	..do.....	Carterville & Herrin Co..	7	6	..do.....
Williamson.....	..do.....	Hemlock Co.....	7	6	..do.....
Williamson.....	Clifford.....	Big Muddy C. & Iron Co.	7	6	..do.....
Williamson.....	Marion.....	†Peabody Co.....	7	6	..do.....
Williamson.....	..do.....	Chicago & Big Muddy...	7	6	..do.....
Williamson.....	..do.....	Carterville Dist. Co.....	7	6	..do.....
Williamson.....	..do.....	Binkley & Miller.....	7	6	..do.....
Williamson.....	..do.....	West Virginia Co.....	7	6	..do.....
Williamson.....	..do.....	Ingram.....	6	6	..do.....
Williamson.....	..do.....	Spiller.....	7	6	..do.....
Williamson.....	Bush.....	Western Co.....	7	6	..do.....
Williamson.....	Carterville	Carterville Co.....	7	6	..do.....
Williamson.....	..do.....	†Hafer Co.....	7	6	..do.....
Williamson.....	..do.....	Danahy O K Co.....	7	6	..do.....
Williamson.....	..do.....	McNeil.....	7	6	..do.....
Williamson.....	..do.....	Young.....	7	6	..do.....
Williamson.....	..do.....	Phillips.....	7	6	..do.....
Williamson.....	..do.....	Spiller & W.....	7	6	..do.....
Williamson.....	Johnston City...	Johnston City & Big M..	7	6	..do.....
Williamson.....	..do.....	Williamson Co.....	7	6	..do.....
Williamson.....	..do.....	Consumers Co.....	7	6	..do.....
Williamson.....	..do.....	Johnston City & Cartv...	7	6	..do.....
Williamson.....	..do.....	Johnston City & St. L...	7	6	..do.....
Williamson.....	..do.....	Brinkley.....	6	6	..do.....
Williamson.....	Dewmaine.....	Madison Co.....	7	6	..do.....
Williamson.....	Cambria.....	Cartv. & Big Muddy Co..	7	6	..do.....
Williamson.....	..do.....	Robert Dick Co.....	7	6	..do.....
Williamson.....	..do.....	Madison Co.....	7	6	..do.....
Williamson.....	..do.....	Carterville Mining Co...	7	6	..do.....
Williamson.....	White Ash.....	Chicago & Marion.....	7	6	..do.....
Williamson.....	Spillertown.....	Strand.....	7	6	..do.....
Williamson.....	Crab Orchard...	Endsminger.....	6	6	..do.....
Williamson.....	..do.....	Tarpley.....	6	6	..do.....
Williamson.....	..do.....	Motsinger.....	6	6	..do.....

*Postoffice address of mine in Clinton county.

†All mines at this locality.

Table 74—Continued.

BUREAU COUNTY.

[illegible]

CALHOUN COUNTY.

1	Calhoun Brick & Clay Co.....	Golden Eagle...	2	60	2.1	Dr. Bo. P.-R.	Mule. Hd...	2.407
---	------------------------------	-----------------	---	----	-----	---------------	-------------	-------

CASS COUNTY.

1	William Shore.....	Chandlerville...	2	6.4	2.6	Sh..	Ho.	P.-R.	Hd...	Hd...	800
---	--------------------	------------------	---	-----	-----	------	-----	-------	-------	-------	-----

CHRISTIAN COUNTY.

[illegible]

CLINTON COUNTY.

[illegible]

Table 74—Continued.

EDGAR COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	Total tons.
1	John N. Wellman.....	Paris R. R. 10..	6	50	5.0	Sh..	St..	P.-R.	Mule.	Hd...	4,971

FRANKLIN COUNTY.

1	Zeigler Coal Co.....	Zeigler.....	6	417	12.0	Sh..	St..	R.-P.	Motor	Mach.	522,722
2	Dering Coal Co.....	W. Frankfort..	6	500	9.0	do..	do..	P.-R.	do..	Both.	251,400
3	Benton Coal Co.....	Benton.....	6	639	9.0	do..	do..	do..	Mule.	do..	202,050
4	United Coal Co.....	Christopher....	6	493	9.7	do..	do..	do..	Motor	do..	175,113
5	Zeigler Dist. Colliery Co.....	do.....	6	517	10.0	do..	do..	do..	do..	Hd...	156,510
6	W. P. Rend Colliery Co.....	Benton.....	6	...	do..	do..	do..	do..	Mule.	Mach.	113,831
7	Franklin County Colliery Co.	Sesser.....	6	723	9.10	do..	do..	do..	do..	do..	111,532
8	Big M. Cartv. Mining Co.....	Pierce.....	6	214	8.9	do..	do..	do..	do..	Hd...	56,823
9	Hart-Williams Coal Co.....	Benton.....	6	...	do..	do..	do..	do..	do..	Mach.	49,914
10	Dering Coal Co.....	W. Frankfort...	6	...	9.0	do..	do..	do..	do..	do..	38,300
Total—10 mines.....											1,678,195

FULTON COUNTY.]

1	Big Creek Coal Co.....	St. David.....	5	45	5.0	Dr.	El..	P.-R.	Motor	Hd...	221,521
2	Maplewood Colliery Co.....	Farmington....	5	144	4.4	Sh..	St..	do..	Cable	do..	261,478
3	Big Creek Coal Co.....	Dunfermline...	5	93	5.0	do..	do..	do..	Motor	do..	218,647
4	Monmouth Coal Co.....	Brereton.....	5	91	4.6	do..	do..	do..	do..	do..	206,747
5	Maplewood Coal Co.....	Farmington....	5	85	4.4	do..	do..	do..	do..	do..	148,434
6	Canton Coal Co.....	Canton.....	5	70	5.0	do..	do..	do..	Mule.	do..	177,812
7	Big Creek Coal Co.....	Cuba.....	5	49	5.0	do..	do..	do..	do..	do..	108,193
8	Norris Coal Mining Co.....	Norris.....	5	185	4.6	do..	do..	do..	do..	do..	137,544
9	Star Coal Co.....	Cuba.....	5	75	5.0	Sl..	do..	do..	Cable	do..	96,811
10	Simmons Coal Co.....	Canton.....	5	125	5.0	Sh..	do..	do..	Mule.	do..	84,939
11	Eagle Mining Co.....	do.....	5	103	5.0	do..	do..	do..	do..	do..	80,707
12	Newsam Bros.....	Farmington....	5	93	4.4	do..	do..	do..	Motor	do..	63,933
13	Applegate & Lewis Coal Co.	Cuba.....	5	99	5.0	do..	do..	do..	Cable	do..	61,897
14	East Cuba Coal Mining Co.	do.....	5	85	5.0	do..	do..	do..	do..	do..	36,219
15	Astoria & Woodland Coal Co.	Astoria.....	5	65	6.0	do..	do..	do..	Mule.	do..	33,003
16	Spoon River Coal Co.....	Ellisville.....	1	145	4.4	do..	do..	do..	do..	do..	21,563
17	Farmington Coal Co.....	Farmington....	5	60	5.0	do..	do..	do..	do..	do..	20,193
18	Star Coal Co.....	Cuba.....	5	49	3.6	do..	do..	do..	do..	do..	19,552
19	Spoon River Coal Co.....	Mayton.....	1	80	5.0	Sh..	do..	do..	do..	do..	19,355
20	W. D. Myers.....	St. David.....	5	63	5.0	do..	do..	do..	do..	do..	17,700
21	J. R. Riley.....	Breeds.....	5	53	4.0	Dr.	Ho.	do..	do..	do..	8,925
22	Essex & Fritz Coal Mining Co.	Parrville.....	5	53	4.0	do..	do..	do..	do..	do..	5,500
23	Monarch Coal Mining Co.....	Farmington....	5	80	5.0	Sh..	St..	do..	do..	do..	5,000
24	Wm. Scripps Coal Co.....	St. David.....	5	63	5.0	do..	do..	do..	do..	do..	4,860
25	Magee Coal Co.....	Breeds.....	5	59	5.0	Sl..	do..	do..	do..	do..	2,654
26	Galesburg Union Supply Co..	Parrville.....	5	59	5.0	Dr.	Hd.	do..	Hd.	do..	2,712
27	Sunnyside Fuel Co.....	Cuba.....	5	63	5.0	Sl..	St..	do..	Mule.	do..	14,556
28	Geo. Westerly.....	Farmington....	5	126	4.4	Sh..	do..	do..	Hd.	do..	10,000
29	James Yocum.....	Lewistown....	5	69	2.6	do..	do..	do..	do..	do..	4,010
30	Joseph McLaughlin.....	Canton R. R. S.	5	80	5.0	Sl..	Ho.	do..	do..	do..	4,000
31	John Kinnamon.....	Ipava.....	5	25	6.0	Dr.	M.	do..	do..	do..	3,154
32	Harry Siever.....	Lewistown....	5	65	5.0	do..	Hd.	do..	do..	do..	3,000
33	A. J. Gunnett.....	Fairview.....	5	69	4.6	do..	do..	do..	do..	do..	2,410
34	Frank Hubbell.....	Avon R. R. 1..	4	150	4.0	do..	Ho.	do..	do..	do..	2,000
35	John W. Rakestran.....	St. David.....	5	69	5.0	Sl..	do..	do..	do..	do..	1,945
36	Daniel Ballinger.....	Cuba.....	5	40	5.0	Dr.	Hd.	do..	do..	do..	1,664
37	Daniel William.....	Rapatee No. 35.	6	60	4.6	do..	do..	do..	do..	do..	1,600

Table 7.4—Continued.

HENRY COUNTY.

[illegible]

JACKSON COUNTY.

[illegible]

Table 74—Continued.

JEFFERSON COUNTY

[illegible]

JOHNSON COUNTY.

[illegible]

KANKAKEE COUNTY.

[illegible]

KNOX COUNTY.

[illegible]

Table 74—Continued.

LASALLE COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	Total tons.
1	Oglesby Coal Co.	Oglesby.	12	404	3.6	Sh.	St.	L. W.	Motor.	Hd.	202,781
2	La Salle Co. Carbon Coal Co.	La Salle.	12	440	3.6	do.	do.	do.	Mule.	do.	194,122
3	Chicago, Wilm., Vermilion C. C.	Streator.	12	245	3.6	do.	do.	do.	do.	do.	159,552
4	La Salle C. C. C. Co.	La Salle.	12	375	3.6	do.	do.	do.	do.	do.	145,809
5	Acme Coal Co.	Streator.	12	110	6.6	do.	do.	do.	Cable.	do.	141,861
6	La Salle C. C. C. Co.	La Salle.	12	392	3.6	do.	do.	do.	Mule.	do.	106,848
7	La Salle C. C. C. Co.	do.	12	390	3.6	do.	do.	do.	do.	do.	90,318
8	La Salle C. C. C. Co.	do.	12	544	3.4	do.	do.	do.	do.	do.	83,409
9	James Cahill Estate.	Peru.	12	350	3.6	do.	do.	do.	do.	do.	66,522
10	Star Coal Co.	Kangley.	12	66	5.0	do.	do.	P.-R.	do.	do.	60,688
11	Illinois Zinc Co.	Peru.	12	130	3.0	Sl.	do.	L. W.	do.	do.	58,435
12	Mrs. E. Hakes.	Rutland.	12	500	2.9	Sh.	do.	do.	do.	do.	49,572
13	Star Coal Co.	Kangley.	12	200	3.0	do.	do.	do.	do.	do.	39,461
14	The Howe Coal Co.	Streator.	12	87	5.0	do.	do.	P.-R.	do.	do.	34,534
15	C., W. & V. Coal Co.	do.	12	72	5.0	do.	do.	do.	do.	do.	9,683
16	William Frances & Co.	do.	12	112	9.0	do.	do.	do.	do.	do.	3,811
17	Matthisen & Hegeler Zinc Co.	La Salle.	12	310	4.6	do.	do.	do.	C. M. H.	do.	125,912
18	Manufacturers Coal Co.	Marseilles.	12	120	2.10	do.	do.	L. W.	do.	do.	29,681
19	William Dawson.	Deer Park.	12	100	4.0	Sl.	do.	P.-R.	C. M.	do.	5,456
20	Nelson & Stokes.	Streator.	12	14	5.0	Sh.	Ho.	do.	Hd.	do.	4,000
21	Harrison Coal Co.	do.	12	100	5.0	do.	St.	do.	Mule.	do.	2,500
22	Streator Fuel Co.	do.	12	86	4.6	do.	do.	do.	do.	do.	2,500
23	Chas. Hendy.	Ottawa.	12	80	2.9	Dr.	Hd.	do.	Hd.	do.	1,500
24	Oscar Kimes.	Streator.	12	40	4.5	Sh.	St.	do.	do.	do.	1,434
25	Joseph Warnock.	Lowell.	12	50	3.0	Sl.	Ho.	do.	do.	do.	1,000
26	William Bottomley.	do.	12	50	3.5	Dr.	do.	do.	Mule.	do.	700
27	Jerry Pratt.	do.	12	60	3.0	do.	Hd.	do.	Hd.	do.	670
28	George Steele.	Ottawa.	12	90	2.6	do.	do.	do.	do.	do.	600
29	Adam Crompton.	do.	12	60	2.8	do.	do.	do.	do.	do.	600
30	Joseph Starkey.	Wilsman.	12	75	3.0	Sh.	Ho.	do.	do.	do.	500
31	Spicer Coal Co.	Marseilles.	12	85	2.9	do.	St.	L. W.	do.	do.	460
32	Brooker Bros.	Lowell.	12	60	3.0	Dr.	Ho.	P.-R.	do.	do.	325
33	Chas. Hepp.	Ottawa.	12	50	2.4	do.	Hd.	do.	do.	do.	300
34	James Mc Cullough.	do.	12	60	2.4	do.	do.	do.	do.	do.	300
35	Lowell Pottery Co.	Lowell.	12	85	4.0	do.	do.	do.	do.	do.	300
36	John Mc Neil.	Kangley.	12	65	4.0	do.	do.	do.	do.	do.	300
37	William Metz.	Ottawa.	12	55	2.4	do.	do.	do.	do.	do.	250
38	Kelly & Gudgel.	Lowell.	12	40	3.0	Sl.	do.	do.	do.	do.	200
Total—38 mines											1,626,931

LIVINGSTON COUNTY.

1	Cardiff Coal Co.	Cardiff.	12	255	3.0	Sh.	St.	L. W.	Mule.	Hd.	216,781
2	Fairbury West End Coal Co.	Fairbury.	12	170	5.0	do.	do.	do.	do.	do.	22,554
3	Bradley Coal Co.	Pontiac.	12	200	5.0	do.	do.	P.-R.	do.	do.	25,032
4	Streator Clay Mfg. Co.	Streator.	12	80	4.5	do.	Ho.	do.	do.	do.	12,000
5	Munts Bros.	do.	12	62	4.6	do.	St.	do.	Hd.	do.	10,881
6	Cooperative Coal Co.	Fairbury.	12	165	4.6	do.	Ho.	do.	do.	do.	9,674
7	Massey Bros.	Streator.	12	62	4.0	do.	do.	do.	do.	do.	3,540
8	Streator Aqueduct.	do.	12	36	4.0	do.	St.	do.	do.	do.	1,880
Total—8 mines											302,342

Table 74—Continued.

MADISON COUNTY.

[illegible]

MARION COUNTY.

[illegible]

Table 74—Continued.

MONTGOMERY COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	Total tons.
1	Shoal Creek Coal Co.	Panama	6	...	8.0	Sh.	St.	P.-R.	Motor	Hd...	293,127
2	Hillsboro Coal Co.	Hillsboro.	6	400	7.0	do.	do.	do.	Cable	M...	264,499
3	Burnwell Coal Co.	Witt	6	...	8.0	do.	do.	do.	Mule.	Hd...	258,527
4	Kortkamp Coal Co.	Hillsboro.	6	500	7.6	do.	do.	do.	do.	do.	173,458
5	Burnwell Coal Co.	Witt	6	...	8.0	do.	do.	do.	do.	do.	163,906
6	Clover Leaf Coal Co.	Coffeen	6	...	...	do.	do.	do.	Motor	do.	90,902
7	Illinois Collieries Co.	Litchfield	6	684	...	do.	do.	do.	Mule.	do.	50,019
8	Clover Leaf Coal Co.	Coffeen	6	544	...	do.	do.	do.	do.	do.	44,186
9	Peabody Coal Co.	Nokomis	6	...	...	do.	do.	do.	do.	do.	42,044
10	Farmersville Coal Co.	Farmersville	6	...	...	do.	do.	do.	do.	do.	1,200
11	H. H. Hardin	Raymond	6	424	3.3	do.	do.	L. W.	do.	do.	500
Total—11 mines											1,382,368

MORGAN COUNTY.

1	Charley Wagstaff	Murrayville	...	70	...	Sh.	Ho.	P.-R.	Hd.	Hd...	3,550
2	W. J. Fisher	do.	...	63	...	do.	do.	do.	do.	do.	3,500
3	E. E. Rining	Arenzville	...	...	...	do.	do.	do.	do.	do.	440
Total—3 mines											7,490

PEORIA COUNTY.

1	Clarke Coal & Coke Co.	Peoria	5	120	4.6	Sh.	St.	P.-R.	Motor	Hd...	189,215
2	Clarke Coal & Coke Co.	do.	5	130	4.6	do.	do.	do.	do.	do.	176,697
3	Wolschlag Coöperative Co.	do.	5	...	4.6	Dr.	do.	do.	do.	do.	89,323
4	Sholl Bros.	do.	5	92	4.6	Sh.	do.	do.	do.	do.	83,341
5	Newsam Bros.	do.	5	46	4.6	do.	do.	do.	Cable	do.	82,593
6	Newsam Bros.	do.	5	...	4.6	Sh.	do.	do.	Mule.	do.	46,977
7	Collier Coöperative Coal Co.	Bartonville	5	82	4.6	Sl.	do.	do.	do.	do.	45,984
8	George Vicary	Peoria	5	...	4.6	Dr.	do.	do.	do.	do.	40,330
9	Howard & Taylor	Edwards	5	86	4.6	Sl.	do.	do.	Motor	do.	27,211
10	I. Wantling & Co.	Peoria	5	62	4.6	Sh.	do.	do.	Mule.	do.	20,361
11	Newsam Bros.	do.	5	80	4.6	Dr.	do.	do.	Cable	do.	19,120
12	W. E. Foley	Mapleton	5	...	4.6	do.	Sl.	do.	Mule.	do.	16,000
13	Lancaster-Landing Coal Co.	Kingston	5	...	4.6	do.	do.	do.	do.	do.	16,000
14	Third Vjen Coal Co.	Mapleton	2	165	2.8	Sh.	St.	L. W.	do.	do.	15,000
15	Lancaster-Landing Coal Co.	Kingston	5	...	4.6	Sl.	do.	P.-R.	do.	do.	14,400
16	Warsaw Coal Co.	Edwards	5	...	4.6	do.	do.	do.	do.	do.	9,062
17	Applegate & Lewis Coal Co.	Hanna City	5	250	4.6	Sh.	do.	do.	do.	do.	30,506
18	Treasurer Coal Co.	Bartonville	5	77	5.0	do.	do.	do.	Mule.	do.	22,790
19	Winters Coal Co.	do.	5	88	5.0	do.	do.	do.	do.	do.	21,705
20	Hubbard & Sneddon	Peoria	5	...	4.6	Dr.	M.	do.	M. C.	do.	12,000
21	T. P. Schmidt & Son	do.	5	...	4.6	do.	do.	do.	do.	do.	9,412
22	P. Martin	do.	5	70	4.6	Sh.	do.	do.	Mule.	do.	8,000
23	Fair Lake Coal Co.	do.	5	92	5.0	do.	St.	do.	do.	do.	5,000
24	Kellers Coal Co.	Bartonville	5	...	5.0	Dr.	M.	do.	do.	do.	4,543
25	Mohn Coal Co.	Peoria	5	...	5.0	Sh.	St.	do.	do.	do.	4,503
26	Limestone Coal Co.	do.	5	130	5.0	do.	do.	do.	do.	do.	4,385
27	J. H. Fisher	do.	5	...	5.0	Dr.	M.	do.	do.	do.	3,360
28	Callear Bros.	Portstown	5	75	5.0	Sl.	do.	do.	do.	do.	3,225
29	Cren Bros.	Chillicothe	5	...	5.0	Dr.	Hd.	do.	do.	do.	2,800

Table 74—Continued.

PEORIA COUNTY—Concluded.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haillage—hand, mule, cable, electric.	Mining—hand, machine, both.	Total tons.
30	Higbee & Caldwell.....	Princeville.....	5	75	4 6 Sh.	Hd.	P.-R.	Mule.	Hd.		2,600
31	Robinson Trioff.....	Mapleton.....	5		5 0 do.	do.	do.	do.	do.		2,500
32	Louis A. Schimdt.....	Peoria.....	5		5 0 do.	do.	do.	do.	do.		2,500
33	David Roberts.....	Mapleton.....	5		5 0 do.	do.	do.	do.	do.		2,344
34	Staunton Blessing.....	do.....	5		5 0 do.	do.	do.	do.	do.		2,240
35	R. Taylor & Sons.....	Princeville.....	5	75	4 6 do.	do.	do.	do.	do.		2,162
36	Hy. Kelley.....	Brimfield.....	5	28	4 6 do.	do.	do.	do.	do.		1,200
37	Barker Coal Co.....	Pottstown.....	5		4 2 Dr.	do.	do.	do.	do.		1,200
38	Kickapoo Coal Co.....	Edwards.....	5	32	4 6 St.	do.	do.	do.	do.		1,171
39	Harrison & Durant.....	Brimfield.....	5	37	4 6 Dr.	do.	do.	do.	do.		1,000
40	C. L. Hayes.....	do.....	5	48	4 6 Sl.	do.	do.	do.	do.		1,000
41	W. J. Burdett.....	Pottstown.....	5		4 6 do.	do.	do.	do.	do.		980
42	Wm. Jones & Son.....	Mapleton.....	5		4 6 do.	do.	do.	do.	do.		864
43	Street-Forsten Coal Co.....	Peoria.....	5		5 0 Dr.	do.	do.	do.	do.		860
44	Wm. H. Pool.....	Edwards.....	5	25	4 6 Sl.	do.	do.	do.	do.		640
45	J. W. Miller.....	Lauria.....	5	35	4 6 Sh.	do.	do.	do.	do.		558
46	Thos. Searliff.....	Mapleton.....	5		4 6 *	*	*	do.	do.		480
47	James Dalton.....	Elmwood.....	5	40	4 6 Sl.	Hd.	P.-R.	do.	do.		480
48	Nicholas Enjelke.....	Peoria.....	5		5 0 Dr.	do.	do.	do.	do.		436
49	Clarke & Co.....	Brimfield.....	5		4 6 Sh.	do.	do.	do.	do.		425
50	Thos. Jones.....	Peoria.....	5		5 0 Sl.	do.	do.	do.	do.		400
51	Arthur Whiteker.....	Brimfield.....	5	35	4 6 Sl.	Ho.	do.	do.	do.		392
52	Berry Bros.....	Monica.....	5	40	4 6 Sh.	do.	do.	do.	do.		360
53	Van Norman & Hartsil.....	Mapleton.....	5	150	5 0 do.	do.	do.	Hd.	do.		340
54	Hnyrit Notzke.....	Oak Hill.....	5		4 0 do.	do.	do.	do.	do.		320
55	Edward Seigel.....	do.....	5		4 0 do.	do.	do.	do.	do.		300
56	Lorenzo Clarkson.....	do.....	5		4 0 do.	do.	do.	do.	do.		240
57	Robert Scott.....	do.....	5		4 0 do.	do.	do.	do.	do.		240
58	Harry Green.....	Hanna City.....	5		4 0 do.	do.	do.	do.	do.		240
59	Chas. Blusly.....	Laurea.....	5		4 0 Sl.	do.	do.	do.	do.		204
60	Sanders & Simons.....	Chillieothe.....	5		4 6 do.	Ho.	do.	do.	do.		204
61	Benj. Wolford.....	Hanna City.....	5		5 0 Sh.	St.	do.	do.	do.		200
62	Cruse & Baldi.....	do.....	5	30	5 0 do.	do.	do.	do.	do.		200
63	Robert Bale.....	Brimfield.....	5		4 6 *	*	*	*	*		200
64	Lorenzo Clarkson.....	Oak Hill.....	5		4 6 Sh.	Hd.	P.-R.	Hd.	Hd.		200
65	Frank Richeyer.....	Mapleton.....	5		5 0 *	*	*	*	*		160
66	B. H. Johuson.....	Peoria.....	5		5 0 St.	Hd.	P.-R.	Hd.	Hd.		160
67	John Harvey.....	Sparland.....	5		4 6 do.	do.	do.	do.	do.		150
68	Peters Bros.....	Mapleton.....	5		5 0 Sl.	St.	do.	do.	do.		120
69	Ash Johnson.....	Hanna City.....	5		5 0 St.	Hd.	do.	do.	do.		40
70	M. Snider.....	Oak Hill.....	5		4 6 Dr.	do.	do.	do.	do.		20
71	Fred Martin.....	Peoria.....	5		5 0 do.	Ho.	do.	do.	do.		500
Total—71 mines.....											1,054,673

* Stripping.

Table 74—Continued.

ST. CLAIR COUNTY.

Number.	Name of Operator.	Postoffice address of mine.	Geological number of seam.	Depth of coal below the surface—feet.	Thickness of seam—feet and inches.	Shaft—slope, drift.	Hoisting—steam, horse, hand.	Long wall, pillar and room.	Haulage—hand, mule, cable, electric.	Mining—hand, machine, both.	Total tons.
1	Consolidated Coal Co.	Collinsville.	6	218	6 0	Sh.	St.	P.-R.	M.	M.	440,666
2	St. Louis & O'Fallon C. Co.	Belleville.	6	197	6 0	do.	do.	do.	Motor	do.	378,409
3	St. Louis & O'Fallon C. Co.	do.	6	103	6 0	do.	do.	do.	Hd.	do.	278,817
4	Prairie Coal Co.	do.	6	200	7 0	do.	do.	do.	M.	do.	261,970
5	Southern Coal & Mining Co.	do.	6	206	7 0	do.	do.	do.	do.	M.	233,736
6	Superior Coal & Mining Co.	do.	6	186	6 0	do.	do.	do.	Hd.	do.	153,797
7	Joseph Taylor Coal Co.	O'Fallon.	6	210	7 0	do.	do.	do.	do.	M.	135,300
8	Joseph Taylor Coal Co.	do.	6	210	7 0	do.	do.	do.	Motor	M.	131,500
9	Southern Coal & Mining Co.	Belleville.	6	140	6 0	do.	do.	do.	Mule.	do.	124,410
10	Joseph Taylor Coal Co.	O'Fallon.	6	203	7 0	do.	do.	do.	Motor	Hd.	118,700
11	Fullerton Coal Co.	Belleville.	6	160	7 0	do.	do.	do.	M.	do.	95,996
12	Breese-Trenton Mining Co.	*Trenton.	6	209	5 6	do.	do.	do.	do.	M.	88,999
13	Consolidated Coal Co.	Collinsville.	6	163	7 0	do.	do.	do.	do.	do.	88,966
14	Suburban Coal & Mining Co.	Belleville.	6	180	6 0	do.	do.	do.	Hd.	do.	88,769
15	Borders Coal Co.	Marissa.	6	80	7 0	do.	do.	do.	do.	do.	79,073
16	Royal Coal & Mining Co.	Belleville.	6	190	7 0	do.	do.	do.	do.	do.	74,327
17	Kalb Coal Co.	Mascoutah.	6	180	6 0	do.	do.	do.	Hd.	do.	65,920
18	International Coal & M. Co.	O'Fallon.	6	210	7 0	do.	do.	do.	Motor	do.	65,906
19	Summit Coal & Mining Co.	Belleville.	6	190	7 0	do.	do.	do.	Mule.	do.	62,886
20	Mulberry Hill Coal Co.	Freeburg.	6	150	7 0	do.	do.	do.	do.	do.	62,350
21	Borders Coal Co.	Marissa.	6	90	6 6	do.	do.	do.	do.	M.	59,494
22	Avery Coal & Mining Co.	Freeburg.	6	150	7 0	do.	do.	do.	Hd.	do.	59,353
23	Kolb Coal Co.	Mascoutah.	6	80	7 0	do.	do.	do.	do.	do.	59,270
24	Belleville & O'Fallon Coal Co.	Belleville.	6	120	6 0	do.	do.	do.	do.	do.	57,288
25	Bessemer Washed Coal Co.	Marissa.	6	175	6 0	do.	do.	do.	do.	do.	54,904
26	Southern Coal & Mining Co.	Belleville.	6	200	7 0	do.	do.	do.	do.	M.	51,902
27	Southern Coal & Mining Co.	do.	6	175	7 0	do.	do.	do.	do.	do.	49,431
28	Missouri & Illinois Coal Co.	Wilderman.	6	90	6 0	do.	do.	do.	Hd.	do.	48,457
29	Vulcan Coal & Mining Co.	Belleville.	6	75	7 0	do.	do.	do.	do.	do.	47,677
30	Chuley-Miller Coal Co.	Caseyville.	6	175	7 0	do.	do.	do.	do.	do.	44,898
31	Jones Bros. Coal Co.	Marissa.	6	114	7 0	Sh.	do.	do.	do.	do.	44,129
32	Kolb Coal Co.	Mascoutah.	6	80	7 0	do.	do.	do.	do.	do.	43,203
33	Vulcan Coal & Mining Co.	Belleville.	6	75	7 0	do.	do.	do.	do.	do.	42,572
34	Marissa Coal & Mining Co.	Marissa.	6	120	7 0	do.	do.	do.	Cable	do.	42,510
35	Beatty Coal Co.	Mascoutah.	6	140	7 0	do.	do.	do.	M.	M.	39,600
36	Johnson Coal Co.	Marissa.	6	120	6 6	do.	do.	do.	Motor	Hd.	38,244
37	Bessemer Washed Coal Co.	Lenzburg.	6	191	7 0	do.	do.	do.	do.	do.	37,312
38	Johnson Coal Co.	Freeburg.	6	136	7 0	do.	do.	do.	M.	do.	35,586
39	Missouri & Illinois Coal Co.	do.	6	120	7 0	do.	do.	do.	do.	do.	35,043
40	Southern Coal & Mining Co.	Belleville.	6	155	6 0	do.	do.	do.	do.	do.	33,130
41	Glendale Coal & Mining Co.	do.	6	150	6 0	do.	do.	do.	Motor	M.	31,463
42	White & Nesbit Coal Co.	do.	6	90	6 0	do.	do.	do.	M.	Hd.	31,536
43	Southern Coal & Mining Co.	do.	6	187	7 0	do.	do.	do.	do.	M.	28,383
44	Pittsburg Coal & Mining Co.	do.	6	175	7 0	do.	do.	do.	Hd.	do.	27,945
45	Highland Coal Co.	do.	6	130	6 0	do.	do.	do.	do.	do.	25,067
46	Kolb Coal Co.	Mascoutah.	6	113	6 0	do.	do.	do.	do.	do.	23,268
47	Dewey Coal Co.	Belleville.	6	200	6 0	do.	do.	do.	do.	M.	22,722
48	T. M. Weeks Coal Co.	Marissa.	6	170	6 0	do.	do.	do.	do.	Hd.	21,019
49	International Coal & M. Co.	O'Fallon.	6	200	6 0	do.	do.	do.	do.	do.	20,952
50	Missouri & Illinois Coal Co.	Rentchler.	6	130	7 0	do.	do.	do.	do.	do.	20,596
51	Central Indiana Coal & M. Co.	do.	6	120	6 0	do.	do.	do.	do.	do.	20,578
52	Herman Phuhl.	Richland.	6	90	7 0	do.	do.	do.	do.	do.	17,825
53	L. Senior.	Belleville.	6	55	6 0	do.	do.	do.	do.	do.	12,183
54	Harmony Coal Co.	do.	6	175	7 0	do.	do.	do.	do.	do.	12,153
55	Bessemer Washed Coal Co.	Marissa.	6	175	6 0	do.	do.	do.	do.	do.	6,960
56	Murphy Coal Co.	Belleville.	6	60	6 0	do.	do.	do.	do.	do.	3,062
57	Tower Grove Coal Co.	do.	6	150	6 0	do.	do.	do.	do.	do.	24,196
58	Wm. Lattman.	do.	6	60	6 0	do.	do.	do.	do.	do.	18,210
59	Frank Sargent.	do.	6	60	6 0	do.	do.	do.	do.	do.	15,800
60	Aug. Eble.	do.	6	50	6 0	do.	do.	do.	do.	do.	14,210

*Postoffice address—Clinton County.

Table 74—Continued.

ST. CLAIR COUNTY—*Concluded.*[illegible]

TAEWELL COUNTY.

[illegible]

Table 75 recapitulates table 74 and is arranged by the geological number of the seams of coal from which the coal has been taken during the past year. The number of counties wherein the different seams are found and the number of mines working each seam. Also the number of long wall, pillar and room and strip mines, the character of the openings and the tons produced from each seam.

TABLE 75—*Summary of the Physical Character of the Coal Mines of the State, Geological Number of Seams, Manner of Working, Kind of Openings and Tons Produced—1908.*

GEOLOGICAL NUMBER OF SEAM.	Number of Counties.	Number of mines.	MANNER OF WORKING.			CHARACTER OF OPENING.			Tons.
			Long wall.	Pillar and room.	Strip.	Shaft.	Slope.	Drift.	
1.....	10	61	.....	61	.....	41	10	10	587,611
1 and 2.....	1	1	1	.....	.....	1	.....	.....	89,210
2.....	22	167	43	123	1	81	30	56	5,654,924
3.....	2	7	.....	7	.....	5	.....	2	11,108
4.....	1	1	.....	1	.....	1	.....	.....	2,000
5.....	16	255	5	245	5	146	36	73	11,473,392
6.....	29	353	1	352	.....	291	27	35	29,759,180
7.....	9	59	1	55	3	36	2	21	1,672,642
14.....	1	7	.....	7	.....	7	.....	.....	7,083
Pocket.....	1	4	.....	4	.....	4	.....	.....	1,590
Not given.....	3	7	.....	7	.....	7	.....	.....	13,712
Totals.....	.....	922	51	862	9	620	105	197	49,272,452

FATAL ACCIDENTS.

Table 76 gives by districts, the number of deaths caused by accidents in and around the coal mines of the State during the past year, also where the men were employed, whether above or underground, the number of employes, the tons mined, the number of employes and the tons of coal to each death and the ratio per 1,000 employed. The number killed was 183, this is eighteen or 10.9 per cent more than reported last year. The seventh, eighth, ninth and tenth districts account for 62.3 per cent of the whole number killed.

The fourth district shows a much lower death rate than either of the others, consequently by far the greatest number of tons to each life lost.

TABLE 76—*Fatal Casualties by Districts for the Year Ended June 30, 1908.*

DISTRICTS.	Killed.	WHERE EMPLOYED.		EMPLOYES.			Total tons of coal mined.	Number employes to each death.	Ratio per 1,000 employed.	Number of tons of coal to each death.
		Under ground.	Above ground.	Under ground.	Above ground.	Total.				
First.....	16	16	.....	6,187	613	6,800	2,980,228	425	2.4	186,264
Second.....	6	6	.....	5,342	460	5,802	2,373,935	967	1.0	395,656
Third.....	7	5	2	3,766	359	4,125	2,370,764	589	1.7	338,681
Fourth.....	3	2	1	3,975	331	4,306	2,524,602	1,435	0.7	841,534
Fifth.....	19	19	.....	4,099	258	4,357	2,902,369	229	4.4	152,756
Sixth.....	18	17	1	7,336	708	8,044	5,923,197	447	2.2	329,067
Seventh.....	28	24	4	8,243	811	9,054	7,237,368	323	3.1	258,477
Eighth.....	22	21	1	8,439	923	9,362	8,101,263	426	2.3	368,239
Ninth.....	33	30	3	7,102	826	7,928	6,293,601	240	4.2	190,715
Tenth.....	31	30	1	9,935	1,128	11,063	8,565,125	357	2.8	276,294
The State.....	183	170	13	64,424	6,417	70,841	49,272,452	387	2.6	269,248

Table 77 presents for a series of twenty-six years, the number killed, with the averages of men and tons, also the number of employes and tons to each life lost and the ratio of the killed to each 1,000 employed. The total number of men killed during the twenty-six years, was 2,407 or an average of ninety-three to each year. The average number employed for each year was 39,665. The total output of coal mined was 600,015,492 tons, giving an average of 23,077,519 tons for each year. The number of employes to each life lost for the same period was 428 and the tons mined was 249,279.

The ratio of men killed to 1,000 employed was 2.6 for this year and 2.3 for the series of years.

TABLE 77—*Fatal Accidents for Twenty-six Years.*

Year.	Number killed.	Total number of employes.	Total tons of coal mined.	Number of employes to each life lost.	Rate per 1,000.	Number of tons of coal produced to each life lost.
1883.....	*134	23,939	12,123,456	179.6	5.6	90,474
1884.....	46	25,575	12,208,075	566	1.8	265,393
1885.....	39	25,946	11,834,459	652.4	1.5	303,448
1886.....	52	25,846	11,175,241	497	2.0	214,909
1887.....	41	26,804	12,423,066	654	1.5	303,002
1888.....	55	29,410	14,328,181	534.7	1.9	260,512
1889.....	42	30,076	14,017,298	716.1	1.4	333,745
1890.....	53	28,574	15,274,727	539.1	1.9	288,203
1891.....	60	32,951	15,660,698	549	1.8	261,012
1892.....	57	33,632	17,862,276	590	1.7	313,372
1893.....	69	35,390	19,949,564	513	1.9	289,124
1894.....	72	38,477	17,113,576	534	2.2	237,688
1895.....	75	38,630	17,735,864	515	2.3	236,478
1896.....	77	37,057	19,786,626	481	2.3	256,969
1897.....	69	33,788	20,072,758	489.7	2.0	290,910
1898.....	75	35,026	18,599,299	467	2.1	247,991
1899.....	84	36,991	23,434,445	440	2.3	278,982
1900.....	94	39,384	25,153,929	419	2.4	267,595
1901.....	99	44,143	26,635,319	445.9	2.2	269,044
1902.....	99	46,005	30,021,300	464.7	2.2	303,245
1903.....	156	49,814	34,955,400	319.3	3.1	224,073
1904.....	157	54,774	37,077,897	348.9	2.9	236,165
1905.....	199	59,230	37,183,374	298	3.4	186,851
1906.....	155	62,283	38,317,581	402	2.5	247,210
1907.....	165	66,714	47,798,621	404	2.5	289,689
1908.....	183	70,841	49,272,452	387	2.6	269,248
Average—26 years.....	93	39,665	23,077,519	428	2.3	249,279

Table 78 presents the averages for a series of twenty-six years showing the number killed, employes and tons mined, also the proportion of deaths to employes and tons, and the ratio of deaths to each 1,000 employed.

TABLE 78—*Fatal Accidents, Averages and Proportions for Nine Years, 1883-1891, and for the Succeeding Seventeen Years, 1892-1908.*

NUMBER OF YEARS.	AVERAGE.			PROPORTION OF—		Ratio per 1,000.
	Killed.	Employes.	Tons mined.	Employes to each life lost.	Tons to each life lost.	
9 years.....	58	27,623	13,227,245	476.3	208,899	2.1
10 years.....	58	28,224	13,610,748	487.5	235,073	2.1
11 years.....	59	28,876	14,187,004	499.2	240,829	2.0
12 years.....	60	29,189	14,430,885	486.5	240,515	2.1
13 years.....	61	29,402	14,685,114	481.	240,134	2.1
14 years.....	62	29,663	15,049,508	464.8	241,621	2.1
15 years.....	63	29,938	15,384,391	479.	245,235	2.1
16 years.....	64	30,256	15,585,323	476.5	245,438	2.1
17 years.....	65	30,652	16,047,036	473.7	248,000	2.1
18 years.....	66	31,137	16,552,974	469.4	249,568	2.1
19 years.....	68	31,822	17,083,624	467.6	251,035	2.1
20 years.....	70	32,531	17,730,508	467.4	254,748	2.1
21 years.....	74	33,354	18,550,741	452.5	251,657	2.2
22 years.....	78	34,328	19,392,884	442.9	250,231	2.3
23 years.....	83	35,410	20,166,384	427.8	243,607	2.3
24 years.....	86	36,530	20,922,767	425.	243,288	2.4
25 years.....	89	37,737	21,997,733	424.	247,277	2.3
26 years.....	93	39,665	23,077,519	428.	249,279	2.3

Table 79 shows by districts, a list of twenty-one causes resulting in the death of the 183 employes during the year. Of the twenty-seven deaths from falling coal, all excepting one in the first district, occurred in the seventh, eighth, ninth and tenth. Combining the number of deaths caused by falling coal, rock, clod and slate, gives a total of ninety-one or 49.7 per cent of all the deaths, while pit cars killed thirty-five or 19.1 per cent of the total number. The five causes here named caused 68.8 per cent of all the deaths.

TABLE 79—*Fatal Accidents by Causes for 1908, by Districts, with Percentages*

Number.	CAUSES.	Totals.	DISTRICTS.										Per- cent- ages.
			1st	2d	3d	4th	5th	6th	7th	8th	9th	10th	
1	Blast explosion.....	6						1			4	1	3.28
2	Blown out shot.....	5							3			2	2.73
3	Cages.....	1										1	0.55
4	Cap piece.....	1								1			0.55
5	Explosion drilling shot.....	1									1		0.55
6	Falling clod.....	6						1		4	1		3.28
7	Falling coal.....	27	1						9	7	7	5	14.76
8	Falling down shaft.....	3									2	1	1.64
9	Falling pipe.....	3	3										1.64
10	Falling rock or roof.....	33	10	4	1		15	1	2				18.04
11	Falling slate.....	25				1	1	2	4	4	4	9	13.61
12	Flying coal.....	3								2		1	1.64
13	Gas explosion.....	7							1		4	2	3.83
14	Machinery.....	3			1				1	1			1.64
15	Pit cars.....	35	1	2	4	1	2	4	5	2	5	9	19.13
16	Powder explosion.....	8					1	5		1	1		4.38
17	Premature blast.....	4	1					1		1	1		2.19
18	Railroad cars.....	8			1	1		1	3		2		4.37
19	Revolving screen.....	1									1		0.55
20	Shot blowing through rib.....	2						2					1.09
21	Trolley wire.....	1								1			0.55
	Totals.....	183	16	6	7	3	19	18	28	22	33	31	100.00

Table 80 gives the number killed in the coal mines of the State for twenty-one years. The table is arranged to show the number of deaths each year resulting from seven leading causes all of which are inseparably connected with the mining of coal. The explosions occurring in the mines this year, caused directly or indirectly from the use of powder, such as blasts, blown out shots, gas, or careless handling of powder, etc., number thirty-six or 19.7 per cent of the whole number killed. Denominating these as one cause, and adding all others shown under the heading, constitute the seven leading causes, these account for a total of 174 deaths or 95.1 per cent of the total number killed.

TABLE 80—*Fatal Accidents for Twenty-one Years, by Leading Causes.*

YEARS.	Totals.	LEADING CAUSES.									OTHER CAUSES.	
		Blasts and explosions.	Cages.	Falling coal, rock and roof.	Falling down shaft.	Fire, black and white damp.	Pit cars.	Railway cars.	Total.	Percentages.	Total.	Percentages.
1888.....	55	9	2	33	4	.....	6	1	55	100.0	.....	.....
1889.....	42	3	4	26	2	.....	5	.....	40	95.2	2	4.8
1890.....	53	4	4	36	.....	5	3	1	53	100.0	.....	.....
1891.....	60	11	4	33	1	4	2	2	57	95.0	3	5.0
1892.....	57	4	4	28	8	3	6	1	54	94.7	3	5.3
1893.....	69	6	4	48	3	2	2	1	66	95.7	3	4.3
1894.....	72	8	8	43	5	.....	6	2	72	100.0	.....	.....
1895.....	75	12	4	38	4	5	5	1	69	92.0	6	8.0
1896.....	77	9	5	41	6	2	7	1	71	92.2	6	7.8
1897.....	69	11	.....	46	5	2	1	1	66	95.7	3	4.3
1898.....	75	11	2	43	4	7	2	1	70	93.3	5	6.7
1899.....	84	4	5	51	4	4	6	1	75	89.3	9	10.7
1900.....	94	17	4	51	1	1	11	2	87	92.6	7	7.4
1901.....	99	3	1	57	1	1	11	.....	74	74.7	25	23.3
1902.....	99	13	2	55	7	.....	15	2	94	95.0	5	5.0
1903.....	156	47	6	77	2	.....	18	.....	150	96.2	6	3.8
1904.....	157	44	4	65	8	.....	21	2	144	91.7	13	8.3
1905.....	199	82	6	80	4	3	10	1	186	93.5	13	6.5
1906.....	155	24	5	84	9	.....	18	4	144	92.9	11	7.1
1907.....	165	24	8	84	6	4	28	4	158	95.8	7	4.2
1908.....	183	36	1	91	3	.....	35	8	174	95.1	9	4.9
Total 21 years.....	2,095	382	83	1,110	87	43	218	36	1,959	93.5	136	6.5
Percentages 21 years.....	.....	18.1	4.0	53.1	4.1	2.1	10.4	1.7	.....	.....	6.5	.....

Table 81 presents, by districts, the number of deaths which have occurred in the coal mines, together with the total number killed for the past eight years.

The table shows the number killed from five defined causes traceable to the use of powder in the mines, giving the totals of these. There is added three other named causes; gas explosions, falling coal, rock, etc., and pit cars, also a column giving the various other causes resulting in death. This year there were twenty-nine deaths resulting directly or indirectly from the use of powder in bringing down the coal, fifteen of whom were miners and fourteen shot firers, one shot firer was killed by falling coal. However, it is found that, of the eight men killed, shown in the table designated as powder explosions, seven of the number met death by their own carelessness in handling powder, such as filling cartridges, or cans while carrying a naked lamp, testing a fuse and opening a keg of powder with a pick. One of these is reported from the fifth district, four from the sixth, one from the eighth and one from the ninth. Deducting these leaves twenty-two killed by the use of powder for blasting coal, this is 12.0 per cent of the total number killed. Directing attention to the column in the table headed total from blasts, etc., caused by the use of powder, for the past six years, 1903-1908, inclusive, it will be seen that the total number killed was 194, of this number 119 or 61.3 per cent occurred during the three years 1903, 1904 and 1905, while seventy-five or 38.7 per cent occurred during the three years 1906, 1907 and 1908. This is a decrease of forty-six or 28.5 per cent in favor of the three years just past. Attention is also directed to the column in the table headed pit cars. The total number killed this year from this cause was thirty-five or 22.5 per cent of the total number from this source during the past eight years.

TABLE 81—*Fatal Accidents, Caused Primarily by Explosions of Powder, Gas Exposions, Falling Coal, Falling Rock, etc., Pit Cars and Various Causes, by Districts, for the Year 1908, and for the Seven Preceding Years.*

DISTRICTS AND YEARS.	CAUSES—USE OF POWDER					Total from all powder blasts, etc.	OTHER NAMED CAUSES, ETC.				TOTALS.	
	Blast explosions.	Blasts premature.	Blown out charge.	Powder explosions.	Flying coal.		Gas explosions.	Falling coal, rock, etc.	Pit cars.	Various.	From other named causes, etc.	From all causes.
First.....	.....	1	.....	.....	.....	1	.....	11	1	3	15	16
Second.....	.....	.....	.....	.....	.....	.....	.....	4	2	.....	6	6
Third.....	.....	.....	.....	.....	.....	.....	.....	1	4	2	7	7
Fourth.....	.....	.....	.....	.....	.....	.....	.....	1	1	1	3	3
Fifth.....	.....	.....	.....	1	.....	1	.....	16	2	.....	18	19
Sixth.....	3	1	.....	5	.....	9	.....	4	4	1	9	18
Seventh.....	.....	.....	3	.....	.....	3	1	15	5	4	25	28
Eighth.....	.....	1	.....	1	2	4	.....	13	2	3	18	22
Ninth.....	5	1	.....	1	.....	7	4	12	5	5	26	33
Tenth.....	1	.....	2	.....	1	4	2	14	9	2	27	31
1908.....	9	4	5	8	3	29	7	91	35	21	154	183
1907.....	1	1	11	10	1	24	4	84	28	25	141	165
1906.....	4	1	2	5	10	22	2	84	18	29	133	155
1905.....	8	2	7	8	9	34	48	80	10	27	165	199
1904.....	3	16	2	14	9	44	.....	65	21	27	113	157
1903.....	25	11	.....	3	2	41	8	79	18	10	115	156
1902.....	2	9	.....	3	3	17	.....	55	15	12	82	99
1901.....	1	8	.....	3	8	20	1	57	11	10	79	99
Eight years..	53	52	27	54	45	231	70	595	156	161	982	1,213

Table 82 presents the percentages of the totals of each item shown in table 81 for the eight years. The first four columns under the head of all causes presents the percentages of the chief dangers impendent at all times to the miner and others working in the coal mines. For this year the deaths from the use of powder was twenty-nine or 15.9 per cent of the total number killed, seven or 3.8 per cent was from gas explosions, ninety-one or 49.7 per cent from falling coal, rock, etc., thirty-five or 19.1 per cent from pit cars and twenty-one or 11.5 per cent from various causes.

TABLE 82—*Percentages of Fatal Casualties for Eight Years, 1901-1908, by Causes.*

YEAR.	PERCENTAGES—															
	USE OF POWDER.						From powder, other named causes, and all causes.	OTHER CAUSES.				ALL CAUSES.				
	Blast explo- sions.	Blast prema- ture.	Blown out charges.	Powder expo- sions.	Flying coal.	Gas explosions		Falling coal, rock, etc.	Pit cars.	Various.	Blast powder etc.	Gas explosions	Falling rock, coal, etc.	Pit cars.	Various.	
1901.	5.0	40.0	....	15.0	40.0	100.00	1.3	72.1	13.9	12.7	20.2	1.0	57.6	11.1	10.1
1902.	11.8	52.9	....	17.6	17.7	100.00	....	67.1	18.3	14.6	17.2	....	55.6	15.1	12.1
1903.	61.0	26.8	....	7.3	4.9	100.00	7.0	68.7	15.6	8.7	26.3	5.1	50.7	11.5	6.4
1904.	6.8	36.4	4.5	31.8	20.5	100.00	....	57.5	18.6	23.9	28.0	....	41.4	13.4	17.2
1905.	23.5	5.9	20.6	23.5	26.5	100.00	29.1	48.5	6.0	16.4	17.1	24.1	40.2	5.0	13.6	
1906.	18.2	4.5	9.1	22.7	45.5	100.00	1.5	63.2	13.5	21.8	14.2	1.3	54.2	11.6	18.7	
1907.	4.2	4.2	45.8	41.6	4.2	100.00	2.8	59.6	19.9	17.7	14.6	2.4	50.9	17.0	15.1	
1908.	31.0	13.8	17.2	27.6	10.4	100.00	4.6	59.1	22.7	13.6	15.9	3.8	49.7	19.1	11.5	
Eight years.	22.9	22.5	11.7	23.4	19.5	100.00	7.1	60.6	15.9	16.4	19.0	5.8	49.0	12.9	13.3	

Table 83 shows in parallel columns the number of fatal and non-fatal casualties caused by the use of powder. These are stated in five distinct items with the total number in each, with percentages. These are followed by two other items, falling coal, rock, etc., and all other causes combined. The fatal and non-fatal casualties, resulting from the use of powder number sixty-five, of these twenty-nine or 44.6 per cent were fatal, and thirty-six or 55.4 per cent were non-fatal. The two classes of accidents occurring from falling coal, etc., number 493, of which ninety-one or 18.5 per cent were fatal and 402 or 81.5 per cent non-fatal.

From all other causes both classes number 439, of these sixty-three or 14.2 per cent were fatal, and 376 or 85.8 non-fatal. The two classes of casualties number 1,002 of which 183 or 18.3 per cent were fatal and 819 or 81.7 per cent were non-fatal, the whole number of the killed and injured during the year, from the use of powder in the mines is 6.5 per cent of all the casualties.

TABLE 83—*Fatal and Non-Fatal Accidents Caused Primarily by Explosions of Powder, with Percentages, also by Falling Coal, Rock, etc., and all other Causes, with Percentages, 1908.*

CAUSES.	CASUALTIES.		PERCENTAGES OF—		All casualties.	Percent-ages.
	Fatal.	Non-fatal.	Fatal.	Non-fatal.		
Blast explosions.....	9	8	31.0	22.2	17	26.2
Blasts—premature.....	4	3	13.8	8.3	7	10.8
Blown out charges.....	5	.....	17.2	.....	5	7.7
Powder explosions.....	8	11	27.6	30.6	19	29.2
Flying coal.....	3	14	10.4	38.9	17	26.1
Totals.....	29	36	100.0	100.0	65	100.0
Falling coal, rock, etc.....	91	402	59.1	51.3	493	52.6
All other causes.....	63	381	40.9	48.7	444	47.4
Totals.....	154	783	100.0	100.0	937	100.0
Grand totals.....	183	819	18.3	81.7	1,002	100.0

Table 84 is the record of fatal accidents for twenty-six years, showing for each year, the number of persons employed and tons mined, also the leading cause of the killed, falling coal, rock, etc., and all other causes combined, with percentages. The percentage of deaths caused by falling coal, rock, etc., is slightly less than last year.

TABLE 84—*Fatal Accidents in Coal Mines, Caused by Falls in Mines and from all Other Causes; the Total Number of Men and Tons, with Percentages for Twenty-six Years.*

YEARS.	Persons employed.	Total tons.	Total deaths.	CAUSES.		PERCENTAGE BY—	
				Falls.	Other causes.	Falls.	Other causes.
1883.....	23,939	12,123,456	134	40	94	19.9	70.1
1884.....	25,575	12,208,076	46	29	17	63.0	37.0
1885.....	25,946	11,834,459	39	20	19	51.3	48.7
1886.....	25,846	11,175,241	52	32	20	61.5	38.5
1887.....	26,804	12,423,066	41	28	13	68.3	31.7
1888.....	29,410	14,328,181	55	33	22	60.0	40.0
1889.....	30,076	14,017,298	42	26	16	61.9	38.1
1890.....	28,574	15,274,727	53	36	17	67.9	32.1
1891.....	32,951	15,660,698	60	33	27	55.0	45.0
1892.....	33,632	17,862,276	57	28	29	49.1	50.9
1893.....	35,390	19,949,564	69	48	21	69.6	30.4
1894.....	38,477	17,113,576	72	43	29	59.7	40.3
1895.....	37,057	17,735,864	75	38	37	50.7	49.3
1896.....	38,630	19,786,626	77	41	36	53.2	46.8
1897.....	33,788	20,072,758	69	46	23	66.7	33.3
1898.....	35,026	18,599,299	75	43	32	57.3	42.7
1899.....	36,991	23,434,445	84	51	33	60.7	39.3
1900.....	39,384	25,153,929	94	51	43	54.3	45.7
1901.....	44,143	26,635,319	99	57	42	57.6	42.4
1902.....	46,005	30,021,300	99	55	44	55.6	44.4
1903.....	49,814	34,955,400	156	76	80	48.7	51.3
1904.....	54,774	37,077,897	157	65	92	41.4	58.6
1905.....	59,230	37,183,374	199	80	119	40.2	59.8
1906.....	62,283	38,317,581	155	84	71	54.2	45.8
1907.....	66,714	47,798,621	165	84	81	50.9	49.1
1908.....	70,841	49,272,452	183	91	92	49.7	50.3
Totals.....	600,115,613	2,407	1,258	1,149	52.3	47.7	
Averages 26 years.....	39,666	23,077,513	92	48	44		

Table 85 shows the several occupations of the persons killed with the percentage in each, also their conjugal relationship. Of the whole number killed, ninety-seven or 53.0 per cent were miners, these with drivers, laborers and shotfirers, number 152 or 83.1 per cent of the total number. One shotfirer was killed by falling coal, the other thirteen were killed by the use of powder as shown in table No. 81. The married men left ninety widows and 223 children.

TABLE 85—*Occupation and Conjugal Relation of the Men Killed at the Mines for the Year 1908.*

Number.	OCCUPATION.	Total deaths.	Percentage	CONJUGAL RELATION.				
				Married.	Single.	Widows.	Children.	Dependants.
1	Cagers.....	3	1.63	.....	3	.....	.....	.....
2	Car pincher.....	1	0.55	.....	1	.....	.....	.....
3	Cartrimmer.....	1	0.55	1	.....	1	.....	1
4	Driver.....	29	15.90	7	22	7	13	19
5	Foreman.....	1	0.55	1	.....	1	3	4
6	Gripper.....	1	0.55	.....	1	.....	.....	.....
7	Laborers.....	12	6.55	7	5	7	8	15
8	Loaders.....	2	1.09	2	.....	2	10	10
9	Machine helpers.....	4	2.19	2	2	2	5	7
10	Machine runners.....	5	2.73	2	3	2	3	5
11	Mine managers.....	1	0.55	1	.....	1	2	3
12	Miners.....	97	52.95	57	40	54	139	176
13	Sinkers.....	4	2.19	.....	4	.....	.....	.....
14	Shot firers.....	14	7.65	10	4	10	27	38
15	Spragger.....	1	0.55	.....	1	.....	.....	.....
16	Timbermen.....	1	1.09	2	.....	2	8	4
17	Trackmen.....	2	1.09	1	1	1	5	5
18	Trappers.....	2	1.09	.....	2	.....	.....	.....
19	Weighmen.....	1	0.55	.....	1	.....	.....	.....
	Total.....	183	100.00	93	90	90	223	287

Table 86 shows the number of persons killed in coal mines in twenty states and countries for a series of ten years 1898-1907.

This table is copied from the "Engineering and Mining Journal," New York, published December 19, 1908. This data is prepared by Frederick L. Huffman.

The total number killed in 1907 was 2,812 this is an increase over 1906 of 734 or thirty-five per cent. All of the states, excepting five show an increase in the number killed in 1907 over the previous year.

Table 87 presents the number killed to every 1,000 persons employed. The number for all the states is shown to be 4.17 and 3.33 for the decade.

TABLE 86—*Number of Persons Killed by Accidents in Coal Mines of the United States and Canada—1898-1907.*

	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	10 years.
Alabama.....	45	40	37	41	50	57	84	185	96	154	789
Colorado.....	24	41	29	55	73	40	89	59b	88	99	597
Illinois e.....	75	84	94	99	99	156	157	199	155	165	1,283
Indiana.....	22	16	18	24	24	55	34	47	31	53	324
Indian Territory.....	17	25	40	44	60	33	30	44	39	32	364
Iowa e.....	26	20	29	26	55	21	31	24	37	35	304
Kansas.....	17	16	22	26	27	36	16a	36	30	32	258
Kentucky.....	6	7	17	21	19	25	19	31	39	32	216
Maryland.....	4	5	7	12	11	13	12	13	7	d	84
Michigan.....		4a	10	6	6	8	7	8	6	7	62
Missouri.....	9	14	10	15	10	77	11	11	16c	8	121
New Mexico e.....	7	15	15	9	17	17	15	5	9	31	140
Ohio.....	52	57	68	72	81	114	118	131	127	153	973
Pennsylvania (anthr.).....	411	461	11	513	300	518	595	644	557	708	5,118
Pennsylvania (bit.).....	199	258	265	301	456	402	536	479	477	806	4,179
Tennessee.....	19	20	10	53	226	26	28	29	33	31	475
Utah.....	3		209	10	8	7	9	7	7	8	268
Washington.....	9	45	33	27	34	25	31	13	13c	36	266
West Virginia e.....	90	89	141	130	120	159	140	194	268	356	1,691
British Columbia.....	7	11	17	102	139	42	37	12	15	31	413
Nova Scotia.....	7	19	21	14	19	31	19	20	28	35	213
Total deaths.....	1,049	1,247	1,503	1,600	1,834	1,802	2,018	2,191	2,078	2,812	18,138

a Six months only.

b Underground.

c Nine months only.

d Returns not available.

e For year ended June 30, 1907.

TABLE 87—*Fatal Accidents in Coal Mining in the United States and Canada—1898-1907.*

	NUMBER OF PERSONS KILLED PER 1,000 EMPLOYED.										10 years.
	1898	1899	1900	1901	1902	1903	1904	1905	1906	1907	
Alabama.....	4.55	3.10	2.59	2.90	2.79	2.94	4.71	10.74	5.23	7.61	4.87
Colorado.....	3.23	5.60	3.99	6.88	8.11	3.89	8.26	b4.96	7.32	7.67	6.16
Illinois c.....	2.14	2.27	2.39	2.24	2.15	3.13	2.87	3.36	2.49	2.47	2.60
Indiana.....	2.63	2.07	1.82	1.98	1.83	3.64	2.70	2.53	1.61	2.79	2.30
Indian Ter.....	4.82	6.24	7.59	8.35	9.62	5.42	3.63	5.76	4.81	4.15	5.86
Iowa e.....	3.38	2.49	2.22	1.97	4.23	1.59	1.90	1.36	2.20	2.05	2.24
Kansas.....	1.95	1.57	2.06	2.28	2.70	3.61	a3.09	2.97	2.95	2.67	2.54
Kentucky.....	0.67	0.83	2.06	2.14	1.58	1.85	1.37	2.06	2.33	1.82	1.74
Maryland.....	0.89	1.08	1.32	2.23	1.99	2.29	2.11	2.09	1.13	d	1.71
Michigan.....		a4.88	6.11	3.26	4.24	2.54	2.58	2.93	2.83	2.43	3.06
Missouri.....	1.22	1.80	1.31	1.63	1.09	1.85	1.47	1.06	e1.65	0.73	1.41
New Mexico e.....	3.71	7.98	7.44	4.81	10.11	7.26	7.61	2.35	3.82	10.13	6.61
Ohio.....	1.77	2.03	2.14	2.15	2.16	2.75	2.57	2.96	2.73	3.20	2.52
Pennsylvania (anthr).....	2.89	3.28	2.86	3.47	2.03	3.41	3.69	3.83	3.35	4.19	3.33
Pennsylvania (bit).....	2.27	2.82	2.43	2.56	3.37	2.65	3.45	2.90	2.76	4.40	3.05
Tennessee.....	2.43	2.60	1.15	6.10	25.80	2.69	2.81	2.38	3.07	2.79	4.98
Utah.....	4.38		138.96	5.81	3.24	3.21	4.06	5.14	3.69	3.07	15.04
Washington.....	2.70	13.60	7.79	5.59	7.83	5.13	6.69	2.73	e2.52	6.04	5.85
West Virginia.....	3.86	3.55	5.03	4.01	3.78	4.03	3.08	4.24	4.98	6.92	4.49
British Columbia.....	2.34	2.91	4.22	25.67	34.65	9.85	8.31	2.72	3.12	5.12	9.66
Nova Scotia.....	1.56	3.39	3.17	1.83	2.36	2.79	1.63	1.86	2.31	2.89	2.36
Totals.....	2.59	2.98	3.24	3.24	3.49	3.14	3.37	3.44	3.16	4.17	3.33

a Six months only.

b Underground.

c Nine months only.

d Returns not available.

e For year ended June 30, 1907.

NON-FATAL ACCIDENTS.

Table 88 shows, by districts, the record of the 819 non-fatal casualties and their relative bearing as to the number employed and the tons mined.

This class of casualties include only those who lost thirty or more days time. The number exceeds that of last year 183 or 27.2 per cent. The number of tons mined to each man injured ranges from 23,274 in the second district to 105,192 in the fourth and 60,162 tons for the State.

TABLE 88—*Non-Fatal Accidents, by Districts—1908.*

* DISTRICTS.	Number of men injured.	INJURED.		NUMBER OF EMPLOYES.			Total tons of coal mined.	Number of employes to one man injured.	Ratio per 1,000	Number of tons mined to each man injured.
		Under ground.	Above ground.	Under ground.	Above ground.	Total.				
First.....	88	87	1	6,187	613	6,800	2,980,228	77	12.9	33,866
Second.....	102	96	6	5,342	460	5,802	2,373,935	57	17.6	23,274
Third.....	45	45	.....	3,766	359	4,125	2,370,764	92	10.9	52,684
Fourth.....	24	24	.....	3,975	331	4,306	2,524,602	1.79	5.6	105,192
Fifth.....	70	69	1	4,099	258	4,357	2,902,369	62	16.1	41,462
Sixth.....	57	55	2	7,336	708	8,044	5,923,197	141	7.1	103,916
Seventh.....	111	107	4	8,243	811	9,054	7,237,368	82	12.3	65,202
Eighth.....	114	112	2	8,439	923	9,362	8,101,263	82	12.2	71,064
Ninth.....	93	90	3	7,102	826	7,928	6,293,601	85	11.7	67,673
Tenth.....	115	114	1	9,935	1,128	11,063	8,565,125	96	10.4	74,479
The State.....	819	799	20	64,424	6,417	70,841	49,272,452	86	11.6	60,162

Table 89 shows the record of non-fatal accidents for twenty-six years. The number injured this year exceeds that of any previous year, and consequently lowers the number of employes and tons to one man injured, as compared with the showing for the past seven years.

TABLE 89—*Non-Fatal Accidents for Twenty-six Years.*

Year.	Number of men injured	Total number of employes.	Total number of tons of coal mined.	Number of employes to one man injured.	Rate per 1,000.	Number of tons of coal produced to one man injured.
1883.....	231	23,939	12,123,456	104	9.6	52,482
1884.....	197	25,575	12,208,075	130	7.7	61,970
1885.....	176	25,946	11,834,459	147	6.8	67,241
1886.....	171	25,846	11,175,241	151	6.6	66,126
1887.....	180	26,804	12,423,066	149	6.7	69,017
1888.....	179	29,410	14,328,181	164	6.1	80,046
1889.....	201	30,076	14,017,298	150	6.7	69,738
1890.....	294	28,574	15,274,727	97	10.3	51,955
1891.....	367	32,951	15,660,698	90	11.1	42,672
1892.....	370	33,632	17,862,276	91	11.0	48,276
1893.....	403	35,390	19,949,564	88	11.4	49,503
1894.....	521	38,477	17,113,576	74	13.5	32,848
1895.....	605	38,630	17,735,864	64	15.7	29,315
1896.....	672	37,057	19,786,626	55	18.1	29,444
1897.....	518	33,788	20,072,758	65	15.3	38,751
1898.....	438	35,026	18,599,299	80	12.5	42,464
1899.....	597	36,991	23,434,445	62	16.1	39,254
1900.....	611	39,384	25,153,939	65	15.5	41,168
1901.....	422	44,143	26,635,319	104.5	9.6	63,117
1902.....	406	46,005	30,021,300	127	8.8	73,944
1903.....	410	49,814	34,955,400	121	8.2	85,257
1904.....	507	54,774	37,077,897	108	9.3	73,132
1905.....	535	59,230	37,183,374	111	9.0	69,502
1906.....	480	62,283	38,317,581	130	7.7	79,828
1907.....	636	66,714	47,798,621	105	9.5	75,155
1908.....	819	70,841	49,272,452	86	11.6	60,162
Average—26 years, ...	421	39,666	23,077,513	94.2	10.6	54,816

Table 90 gives the occupations of the injured at the time the accidents occurred. There are thirty-one occupations represented in the table, five of these; drivers, laborers, loaders, miners and timbermen constitute 84.1 per cent of the total number injured. Miners alone compose fifty-one per cent of the total number.

TABLE 90—*Non-Fatal Accidents, by Occupations with Totals and Percentages, by Districts.*

OCCUPATION.	DISTRICTS.										Total.	Per- cent- ages.
	1st	2d	3d	4th	5th	6th	7th	8th	9th	10th		
1 Bellman.....						1					1	0.12
2 Blacksmiths.....									1		1	0.12
3 Cagers.....		1	1			2	3	5	1	2	15	1.83
4 Carcouplers.....										1	1	0.12
5 Carpenters.....					1				1		2	0.24
6 Carpliers.....								3			3	0.37
7 Carpushers.....							3				3	0.37
8 Cartrimmers.....						1		1		1	3	0.37
9 Drivers.....	5	16	8	7	13	15	26	32	18	39	179	21.86
10 Engineers.....							1	1		1	3	0.37
11 Firemen.....							1				1	0.12
12 Foremen.....						1	1		1		3	0.37
13 Gripper.....			1								1	0.12
14 Laborers.....	1	9	3	1	11		3	5	3	2	38	4.64
15 Loaders.....						2	11	9	1	2	25	3.05
16 Machinist.....										1	1	0.12
17 Machine helpers.....						1		1	2	2	6	0.73
18 Machine runners.....						1	6	4		6	17	2.08
19 Mine examiner.....						1					1	0.12
20 Mine managers.....					1	1	2				4	0.49
21 Miners.....	74	70	30	12	40	19	45	43	40	48	421	51.04
22 Motormen.....					1			2		1	4	0.49
23 Oilers.....							1		1		2	0.24
24 Shot firers.....				2	1	3		2	3	2	13	1.59
25 Slate picker.....									1		1	0.12
26 Spraggers.....		3			1	2	1			2	9	1.10
27 Timbermen.....	4	1	2	1	1	2	2	4	8	1	26	3.18
28 Trackmen.....	4	1		1		1	1		1	2	11	1.34
29 Trappers.....		1				3	2	2	3	1	12	1.47
30 Tripriders.....						1	2		7	1	11	1.34
31 Weighman.....									1		1	0.12
Totals.....	88	102	45	24	70	57	111	114	93	115	819	.....
Percentages.....	10.71	12.46	5.49	2.94	8.55	6.96	13.56	13.93	11.35	14.05	.....	100.0

CONJUGAL RELATIONSHIP AND TIME LOST.

Table 91 shows the conjugal relationship of the injured, also the time lost by those who had recovered at the date of this report. The number recovered was 739 or ninety per cent of the whole number, and these lost an average of 56.1 days.

TABLE 91—*Non-Fatal Accidents, Conjugal Relations of the Injured, Time Lost, by Districts.*

Districts.	Total injured.	Married.	Single.	Children.	Dependents.	Number recovered and losing time.	Total days lost.	Average days lost.
First.....	88	52	36	152	200	75	5,234	69.5
Second.....	102	56	46	115	171	87	4,880	56.1
Third.....	45	26	19	55	80	44	2,750	62.5
Fourth.....	24	14	10	41	55	23	1,452	63.1
Fifth.....	70	44	26	81	122	65	3,286	50.6
Sixth.....	57	32	25	47	74	53	2,603	49.1
Seventh.....	111	51	60	102	141	106	6,027	56.9
Eighth.....	114	66	48	151	217	97	4,519	46.6
Ninth.....	93	46	47	80	115	81	5,135	63.4
Tenth.....	115	56	59	88	144	108	5,570	51.6
The State.....	819	443	376	912	1,319	739	41,456	56.1

CAUSES OF NON-FATAL ACCIDENTS.

Table 92 shows, by districts, a list of forty-two causes resulting in the injuries sustained. Only one man was injured in each of seventeen causes. Falling coal, rock and roof, etc., in the mines were the causes of forty-nine per cent of all the injuries, while pit cars caused twenty-six per cent.

TABLE 92—*Non-Fatal Accidents by Causes for 1908, by Districts, with Totals and Percentages.*

CLASSIFICATION OF CAUSES.	DISTRICTS.										The State.	Percentages.
	1st	2d	3d	4th	5th	6th	7th	8th	9th	10th		
1 Blast explosions.....					1	2	1			3	7	0.85
2 Box and door.....										1	1	0.12
3 Burning fuse.....									1		1	0.12
4 Bursting steam pipe.....								1			1	0.12
5 Cages.....	10	1					1	1	2	7	22	2.69
6 Catch, safety.....									1		1	0.12
7 Chain and box.....								1			1	0.12
8 Coal falling, on surface.....			2								2	0.24
9 Coal flying from pick, etc.....	1	2				1					4	0.49
10 Crank shaft and timbers.....										1	1	0.12
11 Drill press.....					1					1	2	0.24
12 Dump hook.....						1					1	0.12
13 Falling articles, various.....	1		1		2		3	3	4	2	16	1.96
14 Falling coal in mines.....	20	26	18	5	4	11	41	17	11	12	165	20.16
15 Falling from car, etc.....				1	1	2		3		2	9	1.10
16 Falling in hole, etc.....						1	2	1			4	0.49
17 Falling, rock, roof, etc.....	42	40	11	4	40	6	16	33	17	28	237	28.94
18 Flying coal from blasts.....				4		1		6	2	1	14	1.71
19 Gas explosions.....	1			1	3		3	1	22	4	35	4.28
20 Lifting weight.....		1					1		1		3	0.37
21 Machines.....						1	4	3		6	14	1.71
22 Motors.....						1			5	2	8	0.98
23 Mule, injured by.....			1			1	2	2	4	3	13	1.59
24 Mule, kicked by.....	1				1			4	3	2	11	1.35
25 Nail, stepped on.....	1										1	0.12
26 Pit cars.....	10	26	10	9	17	22	31	35	15	34	209	25.52
27 Powder explosion.....		2				4	2	1	1	1	11	1.35
28 Premature blast.....		1				1					2	0.24
29 Railroad cars.....	1							1		1	3	0.37
30 Reel.....				1							1	0.12

Table 92—Concluded.

CLASSIFICATION OF CAUSES.	DISTRICTS.										The State.	Per-cent-ages.
	1st	2d	3d	4th	5th	6th	7th	8th	9th	10th		
31 Roller.....	1	.....	.....	.....	1	0.12
32 Shot blowing through rib.....	1	.....	1	0.12
33 Switches.....	2	.....	.....	.....	2	0.24
34 Tail chain.....	2	2	0.24
35 Transfer, caught by.....	1	.....	.....	.....	.....	.....	.....	.....	.....	1	0.12
36 Trapdoor.....	1	.....	1	0.12
37 Trolley wire.....	1	.....	1	0.12
38 Throwing slate.....	1	.....	.....	.....	.....	1	0.12
39 Water box and roof.....	1	1	0.12
40 Wheel and rope.....	1	.....	.....	.....	1	.....	1	.....	3	0.37
41 Windlass handle.....	1	.....	.....	.....	.....	1	.....	.....	2	0.24
42 Wire, ran against.....	1	1	0.12
Not stated.....	1	.....	.....	1	.....	.....	.....	.....	2	0.24
Totals.....	88	102	45	24	70	57	111	114	93	115	819	100.00
Percentages.....	10.74	12.45	5.49	2.93	8.55	6.96	13.55	13.92	11.36	14.05	100.00	.....

Table 93 presents the non-fatal casualties, set forth in parallel columns, as resulting from four distinct causes, and a column headed various, which includes all other causes. The first showing is by districts, followed by the totals for the past eight years. This table is identical in formation to table 81 for fatal casualties.

TABLE 93—*Non-Fatal Accidents Caused Primarily by Explosions of Powder, Gas Explosions, Falling Coal, Rock, etc., Pit Cars and Various Causes, by Districts, for the Year 1908 and for Eight Years.*

DISTRICTS. AND YEARS.	USE OF POWDER.					Total from use of powder.	OTHER CAUSES.				TOTALS.	
	Blast explo- sions.	Blast, proma- ture.	Blown out charge.	Powder ex- plosions.	Flying coal.		Gas explosion.	Falling coal, rock, etc.	Pit cars.	Various.	From other causes.	From all causes.
First.....							1	62	10	15	88	88
Second.....		1		2		3		66	26	7	99	102
Third.....								29	10	6	45	45
Fourth.....					4	4	1	9	9	1	20	24
Fifth.....	1					1	3	44	17	5	69	70
Sixth.....	2	1		4	1	8		17	22	10	49	57
Seventh.....	1			2		3	3	57	31	17	108	111
Eighth.....				1	6	7	1	50	35	21	107	114
Ninth.....	1	1		1	2	5	22	28	15	23	88	93
Tenth.....	3			1	1	5	4	40	34	32	110	115
1908.....	8	3		11	14	36	35	402	209	137	783	819
1907.....	8	4	7	16	15	50	9	327	171	79	586	636
1906.....	7	1	6	9	9	32	6	253	110	79	448	480
1905.....	13	3	6	15	13	50	3	269	129	84	485	535
1904.....	6	5	2	29	12	54	6	264	123	60	453	507
1903.....	13	3	12	7	12	47	5	164	128	66	363	410
1902.....	15	1	1	6	5	28	2	198	125	53	378	406
1901.....		11	2	5	9	27	3	233	113	46	395	422
Eight years....	70	31	36	98	92	327	67	2,112	1,108	601	3,888	4,215

Table 94 presents the whole numbers for eight years, shown in table 93 reduced to percentages. The percentage of non-fatal casualties from the use of powder is less this year than for either of the past seven years.

TABLE 94—*Percentages of Non-Fatal Accidents for Eight Years, 1901-1908, by Causes.*

YEARS.	PERCENTAGES—														
	USE OF POWDER					From powder, other named causes and all causes.	OTHER CAUSES.				ALL CAUSES.				
	Blast ex- plosions.	Blasts pre- mature.	Blown out charges.	Powder ex- plosions.	Flying coal.		Gas explosions	Falling coal, rock, etc.	Pit cars.	Various.	Blasts, pow- der, etc.	Gas explosions	Falling coal, rock, etc.	Pit cars.	Various.
1908.....	22.2	8.3	....	30.6	38.9	100.00	4.5	51.4	26.7	17.4	4.4	4.3	49.1	25.5	16.7
1907.....	16.0	8.0	14.0	32.0	30.0	100.00	1.5	55.8	29.2	13.5	7.9	1.4	51.4	26.9	12.4
1906.....	21.9	3.1	18.8	28.1	28.1	100.0	1.3	5.65	2.46	1.76	6.7	1.2	5.27	2.24	17.0
1905.....	26.0	6.0	12.0	30.0	26.0	100.00	6.2	55.5	26.6	11.7	9.3	0.6	50.3	24.2	15.7
1904.....	11.1	9.3	3.7	53.7	22.2	100.00	1.3	58.3	27.2	13.2	10.6	1.2	52.1	24.3	11.8
1903.....	27.7	6.3	25.5	14.9	25.5	100.00	1.4	45.2	35.3	18.1	11.5	1.2	40.0	31.2	16.1
1902.....	53.6	3.6	3.6	21.4	17.8	100.00	0.6	52.4	33.0	14.0	6.9	0.5	48.8	30.7	13.1
1901.....	....	40.7	7.4	18.5	33.4	100.00	0.8	59.0	28.7	11.5	6.4	0.8	53.1	26.8	10.9
Eight years.....	21.4	9.5	11.0	30.0	28.1	100.00	0.7	55.3	28.5	15.5	7.8	1.6	50.1	26.3	14.2

Table 95 is a showing of non-fatal casualties for a series of twenty-six years. The percentages from falling coal, etc., and from all other causes are shown for each year in the two last columns. This year the proportion of injuries from falls in the mines is less than for the four previous years and excepting the years 1902-3, less than for any of the previous years.

TABLE 95—*Non-Fatal Accidents from Falling Roof and Sides, and Other Causes, with Percentages Caused by Falling Roof—26 Years.*

YEARS.	NON-FATAL ACCIDENTS.			PERCENTAGES—	
	Total.	Falling roof and sides.	All other causes.	Caused by falling roof or sides.	All other causes.
1883.....	231	130	101	56.28	43.72
1884.....	197	135	62	68.53	31.47
1885.....	176	118	58	67.00	33.00
1886.....	171	109	62	63.74	36.26
1887.....	180	124	56	68.88	31.12
1888.....	179	112	67	62.58	37.42
1889.....	201	129	72	64.17	35.83
1890.....	294	196	98	66.66	33.34
1891.....	367	227	140	61.85	38.15
1892.....	370	234	136	63.25	36.75
1893.....	403	254	149	63.03	36.97
1894.....	521	294	227	56.43	43.57
1895.....	605	338	267	55.87	44.13
1896.....	672	373	299	55.51	44.49
1897.....	518	310	208	59.85	40.15
1898.....	438	252	186	60.87	39.13
1899.....	597	335	262	56.12	43.88
1900.....	611	323	288	52.86	47.94
1901.....	422	233	189	55.21	44.79
1902.....	406	198	208	48.77	51.23
1903.....	410	190	220	46.34	53.66
1904.....	507	264	243	52.07	47.93
1905.....	535	271	264	50.66	49.34
1906.....	480	253	227	52.71	47.29
1907.....	636	327	309	51.42	48.58
1908.....	819	402	417	49.08	50.92
Totals.....	10,946	6,131	4,815	56.01	43.99

Table 96 is the record of the killed and injured in the coal mines of the State for a series of twenty-six years, to which is added in parallel columns the percentages for each year of each class of casualties resulting from falling coal, etc. in the mines, also the percentages of both classes.

This year the proportion of the killed and injured from these causes is almost identical.

TABLE 96—*Total Number Killed and Injured, with Percentages of all Accidents Caused by Falling Roof or Sides for Twenty-six Years.*

YEARS.	NUMBER.			PER CENT BY FALLING ROOF AND SIDES.		
	Killed.	Injured.	Total.	Killed.	Injured.	Total.
1883.....	134	231	365	30	56.28	47.7
1884.....	46	197	243	56.5	68.53	66.25
1885.....	39	176	215	51.3	67	64.18
1886.....	52	171	223	61.5	63.74	63.23
1887.....	41	180	221	68.3	68.88	68.77
1888.....	55	179	234	60	62.58	61.97
1889.....	42	201	243	61.9	64.17	63.78
1890.....	53	294	347	67.9	66.66	66.86
1891.....	60	367	427	55	61.85	60.88
1892.....	57	370	427	49.1	63.25	61.36
1893.....	69	403	472	69.6	63.03	63.98
1894.....	72	521	593	58.3	56.43	56.82
1895.....	75	605	680	50.7	55.87	55.59
1896.....	77	672	749	53.3	55.51	55.27
1897.....	69	518	587	66.7	59.85	60.65
1898.....	75	438	513	57.33	60.87	60.34
1899.....	84	597	681	60.71	56.12	56.68
1900.....	94	611	705	54.3	52.86	53.1
1901.....	99	422	521	56.43	55.21	55.45
1902.....	99	406	505	55.55	48.77	50.1
1903.....	156	410	566	50.64	46.24	47.53
1904.....	157	507	664	49.68	52.07	51.51
1905.....	199	535	734	40.20	50.64	47.82
1906.....	155	480	635	54.2	52.7	53.07
1907.....	165	636	801	50.91	51.42	51.31
1908.....	183	819	1,002	49.7	49.08	49.6
26 years.....	2,407	10,946	13,353	52.3	56.03	55.34

Table 97 is a summary shown by percentages of the increase or decrease in the number of men employed, tons mined, men killed and men injured.

TABLE 97—*Percentages of Increase and Decrease from Year to Year of Men Employed, Tons Produced, Men Killed and Men Injured for a Series of Twenty-six Years.*

YEAR.	MEN EMPLOYED.		TONS PRODUCED.		KILLED.		INJURED.	
	Increase.	Decrease.	Increase.	Decrease.	Increase.	Decrease.	Increase.	Decrease.
1883 to 1884.....	6.83		0.7			65.67		14.72
1885.....		0.5		3.06		15.22		10.66
1886.....	1.57			5.57	33.33			2.84
1887.....	3.71		11.17			21.15	5.26	
1888.....	9.72		15.34		34.15			0.56
1889.....	2.26			2.17		23.64	12.29	
1890.....		5.00	8.97		26.2		46.27	
1891.....	15.31		2.53		13.2		24.83	
1892.....	2.07		8.95			5.00	0.82	
1893.....	5.23		16.91		21.05		8.92	
1894.....		7.78		14.22	4.35		29.28	
1895.....		2.06	3.64		4.17		16.12	
1896.....	3.42		11.56		2.67		11.07	
1897.....	2.22		1.45			10.4		8.04
1898.....	3.66			7.34	8.7			15.44
1899.....	5.61		26.90		12.00		36.3	
1900.....	6.47		7.34		1.19		2.35	
1901.....	12.1		5.88		7.4			30.9
1902.....	4.21		12.71		7.4			3.8
1903.....	8.28		16.44		57.58		0.99	
1904.....	1.00		6.07		0.64		23.66	
1905.....	8.14		0.28		26.75		5.52	
1906.....	5.15		3.05			22.11		10.28
1907.....	7.11		21.74		6.45		32.50	
1908.....	6.19		3.08		10.91		28.77	
26 years.....	195.92		306.42		36.57		254.55	

VENTILATING FANS AT THE COAL MINES OF THE STATE.

Table 98 presents, by districts, and in detail, the ventilating fans in use in 394 of the 407 shipping mines of the State. The table gives the names of the operators, the location of the mines, the number of men underground at each mine, the diameter, in feet, of each fan, the capacity of 1,000 cubic feet of air per minute of each fan and the name of the fan in use.

TABLE 98—*Ventilating Fans at Illinois Coal Mines—1908.*

FIRST DISTRICT.

Number.	NAME OF OPERATOR.	Postoffice address and location of mine.	Number of employés under ground.	FAN.			
				Diameter—feet and inches.	Width—feet and inches.	Capacity—cubic feet per minute, 1,000.	Name.
1	Chicago, Wilm. & Ver. Coal Co.....	S. Wilmington.	401	15 6	80	Crawford & McCrimmon..	
2	Braceville Coal Co.....	Braceville.	411	16 4	60	Ottumwa.....	
3	Chicago., Wilm. & Ver. Coal Co.....	S. Wilmington.	401	18 6	100	Crawford & McCrimmon..	
4	Big Four Wilmington Coal Co.....	Carbon Hill.....	318	16 5	70	do.....	
5	Big Four Wilmington Coal Co.....	do.....	252	12 5	60	do.....	
6	Wilmington Star Mining Co.....	Coal City.....	213	11 5	50	Guibal.....	
7	Big Four Wilmington Coal Co.....	Carbon Hill.....	187	12 3.10	53	Crawford & McCrimmon..	
8	Wilmington Star Mining Co.....	Coal City.....	101	20 7	150	Guibal.....	
9	Wilmington Star Mining Co.....	do.....	33	10 5	50	do.....	
10	Clark City Wilmington Coal Co.....	Clark City.....	43	6 16	100	Crawford & McCrimmon..	
11	Oglesby Coal Co. No. 1.....	Oglesby.....	354	11 4	80	Capel.....	
12	La Salle County Carbon C. Co. No. 2..	La Salle.....	373	14 5	95	Vulcan.....	
13	Chicago., Wilm. & Ver. Coal Co. No. 2.	Streator.....	312	10 4	75	Cyclone.....	
14	La Salle C. C. C. Union.....	La Salle.....	284	14 5	80	Home made.....	
15	Acme Coal Co.....	Streator.....	287	8 3.8	70	Stuyvesant.....	
16	La Salle C. C. C. Co.....	La Salle.....	245	16 6	75	Vulcan.....	
17	La Salle C. C. C. Co.....	do.....	204	16 5	75	do.....	
18	La Salle C. C. C. Co.....	do.....	216	16 6	150	do.....	
19	James Cahill Estate.....	Peru.....	146	15 5	60	Crawford & McCrimmon..	
20	Star Coal Co.....	Kangley.....	133	8 4.6	40	Cyclone.....	
21	Illinois Zinc Co.....	Peru.....	140	14 4.6	60	Crawford & McCrimmon..	
22	Mrs. E. Hakes.....	Rutland.....	117	12 4	50	do.....	
23	Star Coal Co.....	Kangley.....	97	10 5	60	Cyclone.....	
24	Howe Coal Co.....	Streator.....	53	8 3	25	Cole.....	
25	Chicago., Wilm. & Vermillion Coal Co..	do.....	85	5 4	55	Cyclone.....	
26	Mattheson & Hegeler Zink Co.....	La Salle.....	95	10 2	70	Home made.....	
27	Wilmington Coal, Mining & Mfg. Co...	Torino.....	170	15 4.6	100	Crawford & McCrimmon..	
28	Murphy Keenan & Co.....	Braidwood.....	138	8 3	25	Cole.....	
29	Joliet, Wilmington Coal Co.....	do.....	106	8 2.8	25	Erie.....	

Table 98—Continued.

SECOND DISTRICT.

Number.	NAME OF OPERATOR.	Postoffice address and location of mine	Number of employes under ground.	FAN.			Name.
				Diameter—feet and inches.	Width—feet and inches.	Capacity—cubic feet per minute, 1,000.	
1	St. Paul Coal Co.	Cherry	385	16	6 6	200	Capell
2	Spring Valley Coal Co.	Spring Valley	614	12 6	5	100	do
3	Illinois 3d Vein Coal Co.	Ladd	538	12 6	5	100	do
4	Spring Valley Coal Co.	Spring Valley	453	13 6	5	150	do
5	Spring Valley Coal Co.	do	487	16	4	75	Home made
6	Spring Valley Coal Co.	do	586	12 6	5	125	Capell
7	Spring Valley Coal Co.	do	533	12 6	5	125	do
8	Marquette 3d Vein Coal Co.	Marquette	49	16	4	40	Home made
9	Kewanee Coal Mining Co.	Kewanee	112	12	3 2	25	Duncan
10	Atlas Coal Co.	Galva	20	8 2	2 6	15	Home made
11	Kewanee Coal Mining Co.	Kewanee	20	8 2	2 6	20	Brazil
12	Herdien Coal Co.	Galva	19	7	3 3	10	Home made
13	Peoples Fuel Co.	Kewanee	11	7	3 3	10	do
14	Fairlie Bros. & Co.	Cambridge	10	6	2 2	6	do
15	Fred Henry	Kewanee	9	6	2 2	10	do
16	Thos. H. Milan	Soperville	13	8	3 3	10	do
17	Galva Coal Co.	Wataga	13	6	2 2	10	do
18	Rodell & Mitchell	do	8	6	3 3	10	do
19	Bowman Bros.	Yates City	7	10	3	20	Brazil
20	Coal Valley Mining Co.	Sherrard	259	18	4	60	Home made
21	Empire Coal Co.	Gilchrist	223	14	4	80	Frost
22	Coal Valley Mining Co.	Cable	42	15	4	20	Home made
23	Volunteer Coal Co.	Coal Valley	20	6	2 2	20	Buflalo
24	J. J. Pryce & Son	do	32	5	2	10	Home made
25	Stoddard & Summersort	do	12	4	1 8	8	do
26	Stoehr & Schadt	do	13	4	1	5	do
27	Sackville Bros.	do	6	6	2	15	do

THIRD DISTRICT.

1	Cardiff Coal Co.	Cardiff	300	16	4	100	Guibal
2	Fairbury West End Coal Co.	Fairbury	35	16	4	30	do
3	Devlin Coal Co.	Toluca	585	20	6	100	do
4	Fulton County Coal Co.	Sparland	41	8	3 6	10	Brazil
5	Clarke Coal & Coke Co.	Peoria	182	12	4	60	do
6	Clark Coal & Coke Co.	do	177	15	5	80	do
7	Wolschlag Coöperative Coal Co.	do	72	12	4	25	Guibal
8	Sholl Bros.	do	103	10	3 4	20	Brazil
9	Newsam Bros.	do	97	12	3 4	50	Crawford & Mc Crimmon
10	Newsam Bros.	do	58	10	3 4	25	Guibal
11	Collier Coöperative Coal Co.	Bartonville	35	10	4	20	Brazil
12	George Vicary	Peoria	50	10	3 4	15	Guibal
13	Howard & Taylor	Edwards	68	12	3	15	do
14	I. Wantling & Co.	Peoria	36	10	2	10	do
15	Newsam Bros.	do	30	10	4	40	Crawford & Mc Crimmon
16	W. E. Foley	Napleton	42	12	4	6	Guibal
17	Third Vein Coal Co.	do	42	12	4	20	do
18	St. Paul Coal Co.	Granville	454	16	6	100	Clifford
19	B. F. Berry Coal Co.	do	191	16	3 6	60	Murphy
20	Roanoke Coal Co.	Pekin	220	15	4	75	Cole
21	Minonk Coal Co.	Minonk	173	10	6	50	G. F. Economiser

Table 98—Continued.

FOURTH DISTRICT.

Number.	NAME OF OPERATOR.	Postoffice address and location of mine.	Number of employes under ground.	FAN.			
				Diameter—feet and inches.	Width—feet and inches.	Capacity—cubic feet per minute, 1,000.	Name.
1	Big Creek Coal Co.	St. David.	316	22	6	125	Duncan.
2	Maplewood Colliery Co.	Farmington.	295	10	5	150	Sullivan.
3	Big Creek Coal Co.	Dunfermline.	245	18	6	100	Ottumwa.
4	Monmouth Coal Co.	Brereton.	250	20	7	150	Crawford & McCrimmon.
5	Maplewood Coal Co.	Farmington.	205	12	5	125	Robinson.
6	Canton Coal Co.	Canton.	206	10	4	40	Crawford & McCrimmon.
7	Big Creek Coal Co.	Cuba.	174	12	3	100	Atlas.
8	Norris Coal Mining Co.	Norris.	175	14	4.5	75	Home made.
9	Star Coal Co.	Cuba.	145	8	3	30	Brazil.
10	Simmons Coal Co.	Canton.	100	10	4	50	do.
11	Eagle Mining Co.	Canton.	110	14	4.5	60	Eagle.
12	Newsam Bros.	Farmington.	85	12	4.9	55	Crawford & McCrimmon.
13	Applegate & Lewis Coal Co.	Cuba.	139	10	3.5	40	Ottumwa.
14	East Cuba Coal Mining Co.	do.	98	12	3	40	Frost.
15	Astoria & Woodland Coal Co.	Astoria.	51	10	3	25	Brazil.
16	Spoon River Coal Co.	Ellisville.	45	10	3.6	40	Eagle.
17	Farmington Coal Co.	Farmington.	40	12	4	30	Brazil.
18	Star Coal Co.	Cuba.	38	8	3	30	do.
19	Spoon River Coal Co.	Mayton.	45	8	3	30	do.
20	W. D. Myers.	St. David.	47	10	4	30	do.
21	Wm. Scripps Coal Co.	do.	42	10	4	30	do.
22	Galesburg Union Supply Co.	Parville.	10	5	1.5	15	Crawford & McCrimmon.
23	McLean County Coal Co.	Bloomington.	211	16	8	60	Home made.
24	Colfax Cooperative Co.	Colfax.	50	10	3	60	Brazil.
25	Tazewell Coal Co.	Pekin.	114	12	4	50	Cole.
26	Phoenix Coal Co.	Peoria.	66	10	4	30	Crawford & McCrimmon.
27	Grant Bros. Coal & Ice Co.	Pekin.	40	12	4	50	do.
28	Eastern Coal Co.	Peoria.	39	10	4	30	do.
29	Champion Coal Co.	Pekin.	22	10	4	30	do.
30	Lake Erie Coal & Mining Co.	Peoria.	26	8	3	25	do.
31	A. B. Cumming.	E. Peoria.	31	8	6	20	Brazil.
32	G. Gibelhausen & Son.	do.	14	6	2	15	do.
33	Marteness & Fisher.	do.	14	8	3	do.	do.

FIFTH DISTRICT.

1	Manufacturers and Consumers	Decatur.	149	16	3.6	80	Crawford & McCrimmon.
2	Decatur Coal Co., No. 2.	do.	122	10	3.	75	Stevens.
3	Decatur Coal Co., No. 1.	do.	87	10	4.	30	Crawford & McCrimmon.
4	Decatur Coal Co. (Niantic).	Niantic.	51	10	3.	75	Stevens.
5	Kelly Coal Co.	Westville.	621	10	3.	96	Holms Bros. Double.
6	Dering Coal Co.	do.	330	20	7.	150	Crawford & McCrimmon.
7	Little Vermilion Coal Co.	Georgetown.	391	20	7.	100	do.
8	Dering Coal Co.	Westville.	396	20	7.	150	do.
9	Dering Coal Co.	do.	216	20	7.	150	do.
10	Kelly Coal Co.	do.	396	20	6.	100	do.
11	Kelly Coal Co.	do.	290	16	4.	70	do.
12	Kelly Coal Co.	Himrod.	498	20	6.	100	do.
13	E. S. Gray Coal Co.	Oakwood.	123	8	3.	50	do.
14	Electric Coal Co.	Hillery.	114	15	3.	75	do.
15	Tilton Coal Co.	Vandercook.	60	10	2.6	50	do.
16	Oakwood Coal Co.	Oakwood.	52	8	3.	30	do.
17	Frank Davis.	Muncie.	23	8	3.	30	do.
18	Danville Colliery Co.	Catlin.	75	22	7.6	150	do.
19	Sharon Coal & Brick Co.	Georgetown.	17	8	3.6	40	do.
20	W. F. Crawford & Son.	Collison.	11	8	3.	40	Robert Holmes.

Table 98—Continued.

SIXTH DISTRICT.

Number.	NAME OF OPERATOR.	Postoffice address and location of mine.	Number of employe's underground.	FAN.			
				Diameter—feet.	Width—feet.	Capacity—cubic feet per minute 1,000.	Name.
1	Latham Coal Co.	Lincoln	350 12.	6.	75	Robinson	
2	Citizens Coal Mining Co.	do.	204 15.	4.6	140	Capell	
3	Lincoln Mining Co.	do.	119 14.	4.	30	Brazil	
4	Middletown Coal Co.	Middletown	108 10.	4.6	35	Crawford & McCrimmon.	
5	Athens Mining Co.	Athens.	139 12.	4.	50	do.	
6	Wabash Coal Co.	do.	105 12.	4.	50	do.	
7	South Mountain Coal Co.	Petersburg.	51 12.	3.	25	Brazil	
8	Peoples Coal Mining Co.	Tice	61 10.	4.6	35	Crawford & McCrimmon.	
9	Tallula Coal Co.	Tallula.	49 10.	4.6	35	do.	
10	Greenview Coal Co.	Greenview	32 6.	4.	10	Robinson	
11	Manchester Coal Co.	Petersburg.	21 8.	4.	5	Crawford & McCrimmon.	
12	Chi., Wilm. & Ver. Coal Co.	Thayer.	352 22	5.	150	Brazil	
13	Madison Coal Corporation.	Divernon	325 13 6	7.	400	Home Made	
14	Illinois Midland Coal Co.	Sherman	281 20.	7.	180	Capell	
15	Illinois Midland Coal Co.	Pawnee	330 6.	3.6	75	Litchfield, Mich.	
16	Woodside Coal Co.	Springfield.	283 20.	6.	70	Robinson	
17	Springfield Coal Mining Co., No. 5.	Springfield.	234 14 6	5.6	150	Aetna	
18	Springfield Colliery Co.	Springfield.	187 16.	6.	60	Buffalo	
19	Black Diamond Coal Co.	Auburn	201 14.	3.6	73	Crawford & McCrimmon.	
20	Springfield Coal Mining Co.	Riverton	238 12	3.	75	Guibal	
21	Capitol Coal Co.	Springfield.	223 20.	6.	100	Stevens	
22	Sangamon Coal Co.	Springfield.	180 20.	6.	175	Aetna	
23	Chicago & Springfield Coal Co.	Springfield.	170 22.	6.	50	Duncan	
24	Springfield Coal Mining Co., No. 4.	Springfield.	156 14.	5.	75	do.	
25	Tuxhorn Coal Co.	Springfield.	181 12.	4.	75	Indiana	
26	Springfield Coal Mining Co.	Riverton	114 20.	6.	70	Crawford & McCrimmon.	
27	Cora Coal Co.	Springfield.	182 20.	6.	70	Aetna	
28	Springfield Cooperative Co.	Springfield.	125 12.	6.	80	do.	
29	Springfield Coal Mining Co.	do.	129 12.	5.	65	Robinson	
30	Barclay Coal Mining Co.	do.	141 12.	5.	80	Crawford & McCrimmon.	
31	Standard Washed Coal Co.	Spaulding	140 12.	5.	60	do.	
32	Cantrall Cooperative Coal Co.	Cantrall	137 15.	4.	70	do.	
33	West End Coal Co.	Springfield.	123 14.	4.	60	Duncan	
34	Citizens' Coal Mining Co.	do.	121 20.	4.	75	Home Made	
35	Illinois Collieries Co.	do.	248 20.	6.	120	Duncan	
36	Standard Washed Coal Co.	Bissell	140 20.	5.	40	Litchfield	
37	Illinois Collieries Co.	Springfield.	255 15.	7.	75	Crawford & McCrimmon.	
38	O'Gara & King	do.	112 14.	4.	50	Aetna	
39	Citizens' Coal Mining Co.	do.	113 12.	3.5	25	Home Made	
40	Wabash Coal Co.	Dawson	110 20.	3.5	150	Crawford & McCrimmon.	
41	Spring Creek Coal Co.	Springfield.	82 20.	4.	30	Aetna	
42	Auburn & Alton	Auburn	89 12.	4.	70	Duncan	
43	Jones & Adams Coal Co.	Springfield.	81 20.	6.	30	Aetna	
44	Mechanicsburg Coal Co.	Mechanicsburg.	34 12.	4.	30	Crawford & McCrimmon	

SEVENTH DISTRICT.

1	Springfield Coal Co.	Taylorville.	285 20.	6.	75	Danville	
2	Christian County Coal Co.	do.	262 20.	6.	85	Duncan	
3	Pana Coal Co.	Pana.	242 22.	5.	40	Pana.	
4	Pana Coal Co.	do.	237 12 6	4.3	50	Capell	
5	Stonington Coal Co.	Stonington.	134 20.	6.	80	Aetna	
6	Smith-Lohr Coal Co.	Pana.	185 20.	5.	50	Litchfield	
7	Pennwell Coal Mining Co.	do.	206 12.	5.	167	Stevens	
8	Assumption Coal Co.	Assumption	154 14.	4.	75	Home Made	
9	Superior Coal Co.	Gillespie	524 16.	6.	375	Miller	
10	Superior Coal Co.	Sawyer ville.	549 16.	6.	365	do.	
11	Superior Coal Co.	Gillespie	430 16.	6.	400	do.	

Table 98—Continued.

SEVENTH DISTRICT—Concluded.

Number.	NAME OF OPERATOR.	Postoffice address and location of mine.	Number of employes underground.	FAN.		
				Diameter—feet.	Width—feet..	Capacity—cubic feet per minute, 1,000
						Name.
12	Consolidated Coal Co.	Staunton.	317	22	6.	75 Duncan.
13	Royal Colliery Co.	Virden.	375	20	6.	75 Crawford & McCrimmon.
14	Consolidated Coal Co.	Mt. Olive.	318	22	6.	75 Duncan.
15	Consolidated Coal Co.	Staunton.	223	20	6.	60 Stockett.
16	Illinois Collieries Co.	Virden.	377	20	6.	75 Duncan.
17	Consolidated Coal Co.	Mt. Olive.	185	30	8.	100 Stockett.
18	Madison Coal Corporation.	do.	210	22	5.	150 Home Made.
19	Consolidated Coal Co.	do.	199	15	4.	60 Stockett.
20	Illinois Collieries Co.	Girard.	241	30	8.	70 Duncan.
21	Consolidated Coal Co.	Staunton.	131	20	5.	60 Crawford & McCrimmon.
22	Prairie State Coal & Coke Co.	Nilwood.	117	22	6.	85 Murphy.
23	Carlville Coal Co.	Carlville.	82	8.	2 6	25 do.
24	Consolidated Coal Co.	Gillespie.	47	12	3.	60 do.
25	Shoal Creek Coal Co.	Panama.	333	15	6.	200 Capell.
26	Hillsboro Coal Co.	Hillsboro.	184	21	6.	100 Crawford & McCrimmon.
27	Burnwell Coal Co.	Witt.	305	20	6.	100 do.
28	Kortkamp Coal Co.	Hillsboro.	127	12	4.	40 do.
29	Burnwell Coal Co.	Witt.	145	12	4.	40 do.
30	Clover Leaf Coal Co.	Coffeen.	132	10	3 6	25 do.
31	Clover Leaf Coal Co.	do.	99	10	3.	25 do.
32	Peabody Coal Co.	Nokomis.	75	10	3.	60 do.
33	Farmerville Coal Co.	Farmerville.	4	3.	1 6	5 Home Made.
34	Century Coal Co.	Tower Hill.	155	20	7.	50 Crawford & McCrimmon.
35	Moweaqua Coal Co.	Moweaqua.	89	20	5.	40 Litchfield.

EIGHTH DISTRICT.

1	Pocahontas Mining Co.	Pocahontas.	64	8	8 6	25 Brazil.
2	Illinois Collieries Co.	Sorento.	150	14	5.	50 do.
3	Mississippi Colliery Co.	Smithboro.	12	8	2.	16 do.
4	New Staunton Coal Co.	Livingston.	419	20	6.	300 Danville.
5	Donk Bros Coal & Coke Co.	Donkville.	337	20	6.	120 Duncan.
6	Mt. Olive & Staunton Coal Co.	Williamson.	459	22	6.	120 Duncan.
7	Donk Bros. Coal & Coke Co.	Maryville.	367	22	6.	130 do.
8	Mt. Olive & Staunton Coal Co.	Staunton.	267	22	6.	125 do.
9	Lumaghi Coal Co.	Collinsville.	330	6	3 6	80 Sullivan.
10	Donk Bros. Coal & Coke Co.	Troy.	329	20	6.	120 Duncan.
11	Madison Coal Corporation.	Glen Carbon.	248	22	6.	140 Home made.
12	Madison Coal Corporation.	Glen Carbon.	217	22	6.	140 do.
13	DeCamp Coal Mining Co.	Staunton.	170	22	6.	150 Duncan.
14	Kerns-Donnawald Coal Co.	Worden.	161	14	4 6	40 Litchfield.
15	Lumaghi Coal Co.	Collinsville.	122	10	3.	26 Brazil.
16	Interstate Coal & Mining Co.	Staunton.	90	12	3.	40 Cole.
17	Henrietta Coal Co.	Edwardsville.	62	14	4.	50 Duncan.
18	Brookside Coal Co.	Troy.	45	12	3.	25 Brazil.
19	Edwardsville Coal Co.	Edwardsville.	16	14	4.	50 Home made.
20	Consolidated Coal Co.	Collinsville.	347	16	5.	90 Stockett.
21	St. Louis & O'Fallon Coal Co.	Belleville.	346	22	6.	108 Duncan.
22	St. Louis & O'Fallon Coal Co.	do.	404	20	6.	60 H. & H.
23	Prairie Coal Co.	do.	150	20	6.	100 do.
24	Southern Coal Mining Co.	do.	186	16	6.	85 Brazil.
25	Superior Coal Co.	do.	121	20	5.	90 H. & H.
26	Joseph Taylor Coal Co.	O'Fallon.	101	8	3.	25 Ellison.
27	Joseph Taylor Coal Co.	do.	132	20	6.	120 do.
28	Southern Coal Mining Co.	Belleville.	131	14	6.	45 Brazil.
29	Joseph Taylor Coal Co.	O'Fallon.	111	12	4.	30 Stockett.
30	Fullerton Coal Co.	Belleville.	66	12	3.	25 Brazil.
31	Breese & Trenton Mining Co.	Trenton.	130	22	6.	50 Duncan.

Table 98—Continued.

EIGHTH DISTRICT—Concluded.

Number.	NAME OF OPERATOR.	Postoffice address and location of mine.	Number of employes underground.	FAN.			Name.
				Diameter—feet.	Width—feet.	Capacity—cubic feet per minute. 1,000.	
32	Consolidated Coal Co.	Collinsville.	63	10	4.	20	Brazil.
33	Suburban Coal & Mining Co.	Belleville.	90	12	4.	20	H. & H.
34	Borders Coal Co.	Marissa.	87	16	5.	40	Cole.
35	Royal Coal & Mining Co.	Belleville.	64	20	6.	135	Duncan.
36	Kolb Coal Co.	Mascoutah.	89	20	6.	135	H. & H.
37	International Coal & Mining Co.	O' Fallon.	84	12	4.	60	Stuyvesant.
38	Summitt Coal & Mining Co.	Belleville.	51	12	5.	60	Ellison.
39	Mulberry Hill Coal Co.	Freeburg.	56	7	5.	30	Brazil.
40	Borders Coal Co.	Marissa.	70	9	3.	18	Blakeslee.
41	Avery Coal & Mining Co.	Freeburg.	58	15	5.	40	Brazil.
42	Kolb Coal Co.	Mascoutah.	48	12	3.	25	Stein.
43	Belleville & O' Fallon Coal Co.	Belleville.	45	6	3.	20	H. & H.
44	Bessemer Washed Coal Co.	Marissa.	74	12	3.	20	Duncan.
45	Southern Coal & Mining Co.	Belleville.	105	20	6.	80	H. & H.
46	Southern Coal & Mining Co.	do.	61	15	5.	40	Brazil.
47	Missouri & Illinois Coal Co.	Wilderman.	63	10	4.	28	Belleville.
48	Vulcan Coal & Mining Co.	Belleville.	65	12	4.	46	Ellison.
49	Cluley Miller Coal Co.	Caseyville.	42	16	4.	50	Brazil.
50	Jones Bros. Coal Co.	Marissa.	42	10	3.	20	H. & H.
51	Kolb Coal Co.	Mascoutah.	34	15	5.	50	Brazil.
52	Vulcan Coal & Mining Co.	Belleville.	47	10	4.	20	H. & H.
53	Marissa Coal & Mining Co.	Marissa.	61	15	5.	25	Stockett.
54	Beatty Coal Co.	Mascoutah.	38	12	4.	30	Brazil.
55	Johnson Coal Co.	Marissa.	56	10	3.	30	Ellison.
56	Bessemer Washed Coal Co.	Lenzburg.	59	15	4.	40	Brazil.
57	Johnson Coal Co.	Freeburg.	41	10	3.	20	Ellison.
58	Missouri & Illinois Coal Co.	Freeburg.	60	9	3 6	20	Belleville.
59	Southern Coal & Mining Co.	Belleville.	35	10	3.	20	do.
60	Glendale Coal & Mining Co.	do.	52	10	5.	20	H. & H.
61	White & Nesbit Coal Co.	do.	23	10	3.	20	Brazil.
62	Southern Coal & Mining Co.	do.	60	10	3.	25	Belleville.
63	Pittsburg Coal & Mining Co.	do.	30	10	3.	25	H. & H.
64	Highland Coal Co.	do.	36	10	3.	20	Brazil.
65	Kolb Coal Co.	Mascoutah.	41	12	4.	30	do.
66	Dewey Coal Co.	Belleville.	18	10	3.	20	H. & H.
67	T. M. Meeks Coal Co.	Marissa.	27	20	5.	60	Blakeslee.
68	International Coal & Mining Co.	O' Fallon.	29	10	3.	20	Brazil.
69	Missouri & Illinois Coal Co.	Rentchler.	69	15	4.	45	Duncan.
70	Central Indiana Coal & Mining Co.	do.	50	8	3.	20	Brazil.
71	Herman Puhli.	Richland.	29	10	3.	25	Ellison.
72	L. Senior.	Belleville.	26	8	3.	16	do.
73	Harmony Coal Co.	do.	17	10	4.	18	Belleville.
74	Bessemer Washed Coal Co.	Marissa.	18	15	5.	40	Ellison.
75	Murphy Coal Co.	Belleville.	2	8	3.	15	do.

NINTH DISTRICT.

1	Southern Coal Co.	New Baden.	360	15	5	30	Belleville.
2	Breese Trenton Mining Co.	Breese.	200	20	4.	79	Aetna.
3	Breese-Trenton Mining Co.	Beckemeyer.	225	10	3	32	do.
4	Cooperative Coal & Mining Co.	Breese.	150	18	3	75	do.
5	Trenton Mining Co.	Trenton.	212	8	4	150	Sullivan.
6	Consolidated Coal Co.	Breese.	133	20	6	150	Stockett.
7	Southern Coal Co.	Germantown.	51	10	3 9	20	do.
8	Zeigler Coal Co.	Zeigler.	399	16	8	250	Robinson.
9	Dering Coal Co.	W. Frankford.	198	20	6	100	Crawford & McCrimmon.
10	Benton Coal Co.	Benton.	206	10	5 6	100	Robinson.
11	United Coal Co.	Christopher.	137	14	6	250	Capell.
12	Zeigler District Colliery Co.	do.	138	12	4	200	Stevens.

Table 98—Continued.

NINTH DISTRICT—*Concluded.*

Number.	NAME OF OPERATOR.	Postoffice address and location of mine.	Number employed under ground.	FAN.			Name.
				Diameter—feet and inches.	Width—feet and inches.	Capacity—cubic feet per minute, 1,000.	
13	W. P. Rend Colliery Co.	Benton.	155	16	6	100	Robinson.
14	Franklin County Colliery Co.	Sesser.	122	20	6	200	Crawford & McCrimmon.
15	Big Muddy Carterville Mining Co.	Peirce.	97	15	4	43	Blakeslee.
16	Hart-Williams Coal Co.	Benton.	58	11	4.6	150	Capell.
17	Dering Coal Co No. 18.	W. Frankford.	34	12	4	200	Stevens.
18	David Orr Coal Co.	Mt. Vernon.	48	10	3	35	Murphy.
19	Odin Coal Co.	Odin.	236	12	4	75	Cole.
20	Middletown & Seide.	Sandoval.	86	20	6	75	Crawford & McCrimmon.
21	Majestic Coal Co.	Clinch.	325	20	5	250	Blakeslee.
22	Paradise Coal & Coke Co.	Duquoin.	180	20	4	100	Litchfield.
23	Willis Coal & Mining Co.	Willisville.	203	22	6	75	Duncan.
24	Brilliant Coal & Coke Co.	Duquoin.	109	18	3	50	Blakeslee.
25	St. Louis-Coulterville Coal Co.	Coulterville.	79	16	4	30	Ellison.
26	Jupiter Coal & Mining Co.	Duquoin.	78	12	4.6	30	Blakeslee.
27	Tamaroa Little Muddy Coal Co.	Tamaroa.	81	12	4	32	Crawford & McCrimmon.
28	Jupiter Coal Mining Co.	Duquoin.	28	18	4.6	100	Litchfield.
29	Bailey Bros. No. 3.	Sunfield.	45	10	3.6	20	Circular.
30	New Moon Mining Co.	Duquoin.	30	8	2.6	20	Cole.
31	Dimond Fuel Co.	do.	49	14	6	20	do.
32	Anchor Coal Mining Co.	do.	26	10	3	32	Blakeslee.
33	Strait Coal Co.	Pickneyville.	18	10	3	20	Ellison.
34	Wilson Coal Co.	Cutler.	6	10	3	20	do.
35	Willis Coal & Mining Co.	Percy.	296	12	3	37	Ottumwa.
36	Moffat Coal Co.	Sparta.	146	12	4	60	Blakeslee.
37	Illinois Fuel Co.	do.	69	18	4	110	Crawford & McCrimmon.
38	Wilson Bros. Coal Co.	do.	72	15	4	75	do.
39	Jones Bros. Coal & Mining Co.	Tilden.	60	10	4	60	do.
40	Bessemer W. Coal Co.	Tilden.	61	10	4	35	Blakeslee.
41	Nicholson Coal Co.	Nashville.	48	10	3	35	Murphy.
42	Kuhp Colliery Co.	Du Bois.	62	10	4	35	Cole.
43	Norris City Coal Co.	Norris City.	36	8	3	40	Hilman.

TENTH DISTRICT.

1	Gallatin Coal & Coke Co.	Equality.	71	14	4	50	Home made.
2	Muddy Valley Mining & Mfg. Co.	Hallidayboro.	226	16	4.6	60	Blakeslee.
3	Big Muddy Coal & Iron Co.	Murphysboro.	188	6	2	70	Murphy.
4	Big Muddy Coal & Iron Co.	do.	203	15	4	80	Crawford & McCrimmon.
5	Big Muddy Coal & Iron Co.	do.	59	10	5.6	100	Robinson.
6	Chicago, & Carbondale Coal Co.	De Soto.	55	16	4	70	Ottumwa.
7	Gus Blair & Big Muddy Coal Co.	Murphysboro.	50	12	6	40	Home made.
8	Gartside Coal Co No. 4.	do.	59	14	3.10	50	do.
9	Gartside Coal Co. No. 3.	do.	58	14	4	50	do.
10	Schmidtall Coal Co.	do.	24	8	3	30	Cole.
11	Gus Blair Coal Co.	do.	11	5	2	30	Home made.
12	Ogara Coal Co. No. 9.	Harrisburg.	285	14	4	70	Franklin.
13	Ogara Coal Co. No. 3.	do.	221	4	4	38	Champion.
14	Ogara Coal Co. No. 1.	do.	232	16	4	90	Keck & Gonnerman.
15	Ogara Coal Co. No. 4.	do.	247	12	4	50	Hilman.
16	Ogara Coal Co. No. 10.	Eldorado.	178	18	5	100	Crawford & McCrimmon.
17	Ogara Coal Co. No. 7.	Carrier Mills.	194	14	4	70	Keck & Gonnerman.
18	Ogara Coal Co. No. 14.	Ledford.	253	12	4	50	Crawford & McCrimmon.
19	Saline County Coal Co.	Harrisburg.	215	12	4	50	do.
20	Ogara Coal Co. No. 8.	Eldorado.	170	10	4	25	do.
21	Ogara Coal Co. No. 12.	Harrisburg.	158	18	5	100	do.
22	Ogara Coal Co. No. 2.	do.	177	4	4	38	Champion.
23	Ogara Coal Co. No. 5.	Ledford.	161	12	4	50	Crawford & McCrimmon.

Table 98—Concluded.

TENTH DISTRICT—Concluded.

Number.	NAME OF OPERATOR.	Postoffice address and location of mine.	Number of employes under ground.	FAN.	
				Diameter—feet and inches.	Capacity—cubic feet per minute, 1,000.
				Width—feet and inches.	Name.
24	Wasson Coal Co. No. 1.....	Harrisburg.....	93	16 4	100 Keck & Gonnerman.....
25	Saline County Coal Co. No. 2.....	do.....	94	14 4	85 Crawford & McCrimmon.....
26	Ogara Coal Co. No. 6.....	do.....	122	12 4	50 Hilman.....
27	Ogara Coal Co. No. 11.....	Eldorado.....	110	18 5	100 Crawford & McCrimmon.....
28	Galatia Coal Co.....	Galatia.....	92	20 4	50 Blakeslee.....
29	Eldorado Coal & Mining Co. No. 1.....	Eldorado.....	22	20 4	65 Keck & Gonnerman.....
30	Davenport Mining Co.....	Carriers Mills.....	26	14 4	50 do.....
31	Harrisburg Southern Coal Co.....	Grayson.....	48	16 4	25 Crawford & McCrimmon.....
32	Big Muddy Coal & Iron Co.....	Clifford.....	278	16 6	325 Robinson.....
33	Big Muddy Coal & Iron Co.....	Herrin.....	321	20 6	150 Crawford & McCrimmon.....
34	Chicago & Carterville.....	do.....	348	20 5	100 do.....
35	Sunnyside Coal Co.....	do.....	336	20 8	120 do.....
36	Peabody Coal Co.....	Marion.....	334	20 7	146 do.....
37	Johnston City Coal Co.....	Johnson City.....	290	21 5	150 Duncan.....
38	Chicago & Big Muddy Coal & Coke Co.....	Marion.....	295	20 5	100 Aetna.....
39	Carterville District Coal Co.....	do.....	238	18 6	100 Crawford & McCrimmon.....
40	Western Coal Mining Co.....	Bush.....	179	20 5	60 Duncan.....
41	Carterville Coal Co.....	Carterville.....	242	15 4 6	85 Illinois Eng. & Mch. Co..
42	Madison Coal Corporation.....	Dewmaine.....	235	16 5	150 Robinson.....
43	St. Louis & Carterville Coal Co.....	Herrin.....	300	15 4 6	100 Ill. Eng. & Machine Co..
44	Peabody Coal Co.....	Marion.....	211	20 5	120 Crawford & McCrimmon.....
45	Carterville Big Muddy.....	Cambria.....	180	9 4	75 Robinson.....
46	Williamson County Coal Co.....	Johnston City.....	165	10 6	50 Crawford & McCrimmon.....
47	Hafer Washed Coal Co.....	Carterville.....	152	20 5	130 Blakeslee.....
48	Consumers Coal & Mining Co.....	Johnston City.....	122	17 5	100 Blakeslee.....
49	Donaly & Koennecke Coal Co.....	Carterville.....	160	15 5	100 do.....
50	Chicago & Carterville Coal Co.....	Herrin.....	116	10 5	150 Sullivan.....
51	Madison Coal Corporation.....	Cambria.....	124	20 6	90 Chandler & Tyler.....
52	Consumers Coal Co.....	Johnston City.....	130	10 5	75 Blakeslee.....
53	Chicago & Herrin Coal Co.....	Herrin.....	139	12 3	35 Crawford & McCrimmon.....
54	Carterville Mining Co.....	Carterville.....	131	20 5	120 Blakeslee.....
55	Robert-Dick Coal Co.....	Cambria.....	70	14 7	60 Home made.....
56	Carterville Mining Co.....	Carterville.....	108	20 5	120 Blakeslee.....
57	Carterville & Herrin Coal Co.....	Herrin.....	83	14 4 6	62 Ill. Eng. & Machine Co..
58	Carterville Mining Co.....	Cambria.....	90	12 4	20 Crawford & McCrimmon.....
59	Watson Coal Co.....	Herrin.....	74	12 5	15 Murphysboro.....
60	Watson Coal Co.....	Herrin.....	60	12 5	14 Coal Belt Machine Co..
61	West Virginia Coal Co.....	Marion.....	49	14 5	60 Crawford & McCrimmon.....
62	Colp Coal Co.....	Marion.....	67	14 5	15 Champion.....
63	Scranton & Big Muddy Coal Co.....	do.....	27	14 4	15 Blakeslee.....
64	Johnston City & St. Louis Coal Co.....	Johnston City.....	51	14 4	15 do.....
65	Keystone Big Muddy Coal Co.....	Marion.....	11	14 4	15 do.....
66	Big Muddy River Con. Coal Co.....	Johnston City.....	98	12 4	15 Crawford & McCrimmon.....
67	Big Muddy River Con. Coal Co.....	Herrin.....	105	12 4	15 do.....

Table 99 is the recapitulation of table 98 and shows by districts, the number of mines at which fans of a regular make are in use, also the number of mines where so called home-made fans are installed.

TABLE 99—*Fans in Use in State, by Districts.*

DISTRICTS.	REGULAR MAKE.		HOME MADE.		TOTALS.	
	Number mines and fans.	Number of men under ground.	Number mines and fans.	Number of men under ground.	Number mines and fans.	Number of men under ground.
First.....	26	5,536	3	379	29	5,915
Second.....	11	3,491	16	1,406	27	4,897
Third.....	21	3,005			21	3,005
Fourth.....	31	3,102	2	386	33	3,488
Fifth.....	20	3,842			20	3,842
Sixth.....	41	6,497	3	559	44	7,056
Seventh.....	32	7,310	3	370	35	7,680
Eighth.....	72	7,830	3	465	75	8,295
Ninth.....	43	5,341			43	5,341
Tenth.....	61	9,702	6	319	67	10,021
The State.....	358	55,656	36	3,884	394	59,540

Table 100 is a further recapitulation of table 98 and gives the names of all the different makes of fans in use, also the districts in which located.

TABLE 100—*Name and Number of Fans in Use at the Mines of the State, by Districts—1908.*

Number.	NAME OF FAN.	DISTRICTS.										Total.
		1s	2d	3d	4th	5th	6th	7th	8th	9th	10th	
1	Aetna.....						6	1		3	2	12
2	Atlas.....				1							1
3	Belleville.....								5	1		6
4	Blakeslee.....								2	7	11	20
5	Brazil.....		2	5	12		3		23			45
6	Buffalo.....		1				1					2
7	Capell.....	1	6				2	2		2		13
8	Champion.....										3	3
9	Chandler & Tyler.....										1	1
10	Circular.....									1		1
11	Clifford.....			1								1
12	Coal Belt Machine Co.....										1	1
13	Cole.....	2		1	1				2	4	1	11
14	Crawford & McCrimmon.....	10		2	9	16	16	10		7	22	92
15	Cyclone.....	3										3
16	Danville.....							1	1			2
17	Duncan.....		1		1		5	5	12	1	2	27
18	Eagle.....				2							2
19	Economiser, G. F.....			1								1
20	Ellison.....								8	3		11
21	Erie.....	1										1
22	Franklin.....										1	1
23	Frost.....		1		1							2
24	Guibal.....	3		10			1					14
25	H. & H.....								12			12
26	Hillman.....									1	2	3
27	Holmes.....					2						2
28	Home made.....	3	16		2		3	3	3		6	36
29	Illinois Eng. & Mch. Co.....										3	3
30	Indiana.....						1					1
31	Keck & Gonneman.....										5	5
32	Litchfield.....						2	2	1	2		7
33	Miller.....							3				3

Table 100—Concluded.

Number.	NAME OF FAN.	DISTRICTS.										Total.
		1st	2d	3d	4th	5th	6th	7th	8th	9th	10th	
34	Murphy.....			1				3		2	1	7
35	Murphysboro.....										1	1
36	Ottumwa.....	1			2					1	1	5
37	Pana.....							1				1
38	Robinson.....				1		3			3	4	11
39	Stein.....								1			1
40	Stevens.....					2	1	1		2		6
41	Stockett.....							3	3	2		8
42	Sturtevant.....								1			1
43	Stuyvesant.....	1										1
44	Sullivan.....				1				1	1		3
45	Vulcan.....	4										4
	Total.....	29	27	21	33	20	44	35	75	43	67	394

REPORTS
of the
State Inspectors
of Mines.

FIRST INSPECTION DISTRICT--1908.

THIRD ANNUAL REPORT.

COUNTIES: GRUNDY, KANKAKEE, LA SALLE, WILL.

HECTOR McALLISTER, *Inspector*, Streator, Illinois.

Hon. David Ross, Secretary State Bureau of Labor Statistics, Springfield:

DEAR SIR—In compliance with section 12 of an Act of the General Assembly of the State of Illinois, defining the duties of the State Inspector of Coal Mines, and providing for the health and safety of persons employed therein. I herewith submit the third annual report of coal mines in the first inspection district, as now formed, for the year ending June 30, 1908. The district includes the coal producing counties of Grundy, Kankakee, La Salle and Will. The report contains tabulated statements showing the number of mines in operation, both shipping and local; the depth of coal below the surface, with the geological number and thickness of the various coal seams; the number of new and abandoned mines; the total number of persons employed at each mine; the tons of mine run, lump and other grades of coal produced; the price per ton paid for mining; the aggregate value of the total product; the number of kegs of powder consumed; the casualties in and around the mines, both fatal and non-fatal; the number of wives made widows and the children left fatherless, caused by these casualties in and around the mines; the number of days of active operation of every mine in the district; the name of the ventilating fans at each mine; also the diameter and width and the capacity of each in cubic feet per minute; also the method of signaling at each mine.

The following is a summary of the leading items for all the counties in the district:

Number of mines	63
Number of shipping mines	29
Number of local mines	34
Number of new mines	6
Number of abandoned mines	10
Number of miners	4,866
Number of others underground	1,175
Number of boys underground	146
Number of employes above ground	613
Total number of employes	6,800
Total tons of coal produced, all grades	2,980,228
Total tons of mine run	478,339
Total tons of lump	1,582,881
Total tons of egg	203,382
Total tons of nut	44,437
Total tons of pea or screenings	610,282
Total tons of slack	60,507
Aggregate value of total product, all mines	\$4,447,800

Average price paid per gross ton hand mining shipping mines.....	\$0.82
Average number of days of active operation shipping mines.....	227
Number of kegs of powder used	22,703
Tons of coal shipped from the mines.....	2,349,640
Tons supplied to locomotives	115,450
Tons sold to local trade shipping mines.....	136,847
Tons to local trade local mines.....	61,358
Tons sold to local trade all mines.....	198,205
Tons consumed and wasted at the plant all mines.....	316,933
Number of fatal accidents	16
Number of non-fatal accidents.....	88
Number of wives made widows.....	9
Number of children left fatherless.....	42
Tons of coal mined to each fatal accident.....	186,264
Tons of coal mined to each non-fatal accident.....	33,866
Number of employes to each fatal accident.....	425
Number of employes to each non-fatal accident.....	77

The following comparative statement gives the coal production by counties now comprising the first district with the decrease in each for the year ending June 30, 1908:

COUNTIES.	TOTAL OUTPUT, ALL GRADES OF COAL IN TONS.		Decrease.
	1907	1908	
Grundy.....	1,327,197	1,174,482	152,715
Kankakee.....	37,828	17,801	20,027
LaSalle.....	1,644,686	1,626,931	17,755
Will.....	188,338	161,014	27,324
Total.....	3,198,049	2,980,228	217,821

All of the coal producing counties comprising this district show a decrease aggregating 217,821 tons from that of 1907.

NEW MINES.

Kelly and Gudgel have opened a new mine near Utica, La Salle county. Heather and Clayton have opened a new mine two miles north of Morris, Grundy county.

ABANDONED MINES.

The C. W. & V. Coal Company has abandoned its No. 1 mine at Streator, La Salle county.

Munts Bros., Evans Bros., Haar Bros. and Ed. Evans have abandoned their mines near Coalville, La Salle county.

Lewis Evans has abandoned his mine north of Kanglay, La Salle county.

The Braceville Coal Company has abandoned its No. 5 mine near Braceville, Grundy county.

J. K. Telfer and the Morris Coal Company have abandoned their mines near Morris, Grundy county.

CHANGES OF OWNERSHIP.

* William Dawson has purchased the mine formerly operated by J. C. Dawson at Deer Park, La Salle county.

The Spicer Coal Company has purchased the mine formerly operated by the Kickapoo Coal Company at Marseilles, La Salle county.

IMPROVEMENTS.

The La Salle County Carbon Coal Company, La Salle, has installed a pair of Litchfield first motion hoisting engines at its No. 1 mine. These engines are 24 by 36 inches with a 7-foot drum; the company has also installed a new tubular boiler 6 by 18 feet, with 64 4-inch tubes.

FATAL ACCIDENTS.

The following is a detailed statement of fatal accidents that have taken place in the first district during the year ending June 30, 1908:

July 3, 1907, three men, all sinkers, were killed in the La Salle County Carbon Coal Company's No. 5 mine at Cedar Point, La Salle county; Hagen Benson, aged 35 years, single; Frank Basalai, aged 30 years, single; and Charles Agnew, aged 30 years, single. Benson and Basalai were killed instantly and Agnew died in the hospital at La Salle eighteen hours after the accident occurred. These men, with William Spowart, the company's machinist, were changing a line of 4-inch pipe from near the center of the shaft to one corner, so the pipe would not interfere with the cage. They had disconnected the pipe from the pump at the bottom, which was held by a $\frac{5}{8}$ -chain attached to a 4-ton chain block. The men were hoisted up about 45 feet, and were knocking off cleats, when the chain holding the pipe broke, letting down two or three lengths of the pipe from the top, which struck the men working on the float, with the result as stated. Mr. Spowart was only slightly injured.

Aug. 7, 1907, Peter Gorbet, miner, aged 50 years, single, was seriously injured at the face of his working place by falling rock in the No. 4 mine of the Star Coal Company, Kangley, La Salle county. Deceased was taking down coal, when a mass of rock fell from the roof, crushing him underneath. He was taken to the hospital in Streator, where he died seven days after the accident occurred.

Aug. 17, 1907, Adam Rossman, miner, aged 52 years, married, was seriously injured in the La Salle County Carbon Coal Company's La Salle mine, La Salle county. Deceased was firing a shot at quitting time, but it failed to go off; after waiting a reasonable time he returned to the shot, relighted the squib, but before he could get out of the way the shot went off, knocking him against the building, severely bruising him. He was conveyed to his home, where he died twenty hours afterwards. He leaves a widow and six children.

Sept. 28, 1907, Joseph Davis, roadman, aged 32 years, single, was killed instantly by falling rock in the Illinois Zinc Company mine at Deer Park, La Salle county. Deceased was helping to put a loaded car on the track when a mass of rock fell without any warning, crushing him underneath.

Oct. 3, 1907, Walter Bone, timberman, aged 45 years, married, was killed instantly by falling rock on the first parting east in the La Salle County Carbon Company's No. 1 mine at Jonesville, La Salle county. Deceased and his partner were renewing the cross timbers on the parting, and were preparing to put up a liner or timber support that the old timbers could be taken out; but, without any warning, a great mass of rock weighing about 35 or 40 tons fell, breaking the new timbers that were put up the night previous, crushing Bone underneath. He leaves a widow and seven children.

Oct. 17, 1907, Gabiral Flarina, miner, aged 44 years, married, was killed instantly by falling rock at the face of his working place in the La Salle County Carbon Coal Company's No. 1 mine at Jonesville, La Salle county. He leaves a widow and four children.

Oct. 23, 1907, Andrew Palanos, miner, aged 36 years, married, was killed instantly by falling coal at the face of his working place in the C. W. & V. Coal Company's No. 2 mine, Streator, La Salle county. He leaves a widow and five children.

Nov. 29, 1907, Peter Ostrowski, driver, aged 21 years, single, was seriously injured in the Oglesby Coal Company's mine, Oglesby, La Salle county. Deceased with three other men were riding out on the motor trip, which is against the rules of the company; while the trip was going up grade, the

loaded cars became detached from the motor; when the cars began running back, Ostrowski jumped to one side, but was caught between the rib and the cars and was dragged about 50 feet; both legs were broken and he was injured internally. He was taken to the hospital in La Salle, where he died three hours after the accident.

Dec. 7, 1907, William Jasper, miner, aged 63 years, married, was killed instantly by falling rock at the face of his working place in the La Salle County Carbon Coal Company's Union mine, Peru, La Salle county. He leaves a widow and six children.

Dec. 19, 1907, John Leake, miner, aged 52 years, single, was killed instantly by falling rock at the face of his working place in the La Salle County Carbon Coal Company's La Salle mine, La Salle county.

Dec. 28, 1907, George Ommar, driver, aged 35 years, married, was killed instantly by falling rock in the first left cross-road off of the straight south in the Wilmington Star Mining Company's No. 5 mine, Coal City, Grundy county. Deceased was going in with an empty trip when a rock fell on him with the result as stated. He leaves a widow and five children.

March 27, 1908, John Enrietta, miner, aged 45 years, married, was killed instantly by falling rock at the face of his working place in the No. 6 mine of the Big Four Wilmington Coal Company, Carbon Hill, Grundy county. He leaves a widow and three children.

June 4, 1908, Mike Martis, timberman, aged 26 years, married, was killed instantly by falling rock in the No. 6 mine of the Braceville Coal Company, Braceville, Grundy county. Deceased and his partner, John Golden, were cleaning and timbering a roadway when a mass of rock fell, without any warning, crushing Martis underneath, with the result as stated. He leaves a widow and one child.

June 18, 1908, Joseph Montze, roadman, aged 46 years, married, was severely crushed and injured internally by falling rock in the B mine of the Clark City, Wilmington Coal Company, Kankakee county. Deceased was cleaning out the neck of an old room for the purpose of making a sump when a rock fell without warning, crushing him underneath. He died of his injuries seven hours after the accident. He leaves a widow and five children in Italy.

The tables of the fatal and non-fatal accidents follow, also the tables of each coal producing county in the district.

Respectfully submitted,

HECTOR McALLISTER,

State Inspector of Mines, First District, Streator.

Fatal Casualties—First District—July 1, 1908.

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	Widows.	Children. Single.	Number persons dependent.	Cause of accident.
1907									
July 3	Hagen Benson.....	35	Sinker.....	Cedar Point.....			1		Falling iron pipe in shaft.....
	3 Frank Boscili.....	30	do.....	do.....			1		do.....
	3 Chas. Agnew.....	30	do.....	do.....			1		do.....
Aug. 7	Peter Gorbet.....	50	Miner.....	Kangley.....			1		Falling rock at face.....
	17 Andrew Rossman.....	52	do.....	La Salle.....	1	6		3	Premature blast.....
Sept. 28	Joseph Davis.....	32	Roadman.....	Oglesby.....			1		Falling rock.....
Oct. 3	Walter Bone.....	45	Timberman.....	Jonesville.....	1	1	7	3	do.....
	17 Gabiral Flarina.....	44	Miner.....	La Salle.....	1	1	4	3	do.....
	23 Andrew Palamos.....	36	do.....	Streator.....	1	1	5	5	Falling coal.....
Nov. 29	Peter Ostrowski.....	21	Driver.....	Oglesby.....			1		Pit cars.....
Dec. 7	William Jasper.....	63	Miner.....	La Salle.....	1	1	6	2	Falling rock.....
	19 John Leake.....	52	do.....	do.....			1		do.....
	28 George Ommar.....	35	Driver.....	Coal City.....	1	1	5	5	do.....
1908									
Mar. 27	John Enrietta.....	45	Miner.....	do.....	1	1	3	3	do.....
June 4	Mike Martis.....	26	Timberman.....	Braceville.....	1	1	1	1	do.....
	18 Joseph Monzze.....	46	Roadman.....	Clarke City.....	1	1	5	5	do.....
	Total—16.....				9	9	42	7	30

Recapitulation of Fatal Casualties—First District—1908.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Braceville.....	1	Drivers.....	2	Falling coal.....	1	Braceville Coal Co.....	1
Cedar Point.....	3	Miners.....	7	Falling rock.....	10	Big Four Wilm. Coal Co.....	1
Coal City.....	2	Roadmen.....	2	Falling pipe.....	3	C. W. & V. Coal Co.....	1
Clarke City.....	1	Sinkers.....	3	Premature blast.....	1	Clarke City Wilm. Coal Co.....	1
Jonesville.....	1	Timbermen.....	2	Pit cars.....	1	Illinois Zinc Co.....	1
Kangley.....	1					LaSalle C. C. C. Co.....	8
LaSalle.....	4					Oglesby Coal Co.....	1
Oglesby.....	2					Star Coal Co.....	1
Streator.....	1					Wilm. Star Mining Co.....	1
Total.....	16		16		16		16

Non-Fatal Casualties—First District—July 1, 1908.

Date.	Name.	Age.	Residence. (Town.)	Married.	Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1907									
July	2 Rudolph Pauliska.....	20	Oglesby.....	1	1			Leg injured, falling rock.....	30
	13 John Trossell.....	33	Braidwood.....	1	1	3	5	Leg fractured, falling rock.....	365
	26 Frank Kirston.....	39	Oglesby.....	1	1	1	2	Arm injured, falling rock.....	31
	26 Thos. Rogers.....	35	Jonesville.....	1	1			Jaw fractured, falling rock.....	160
	31 Nic Matiode.....	40	So. Wilmington.....	1	1	3	4	Foot crushed, falling rock.....	98
Aug.	1 Geo. Shelton.....	27	Marseilles.....	1	1	2	3	Back injured, falling rock.....	35
	8 Antony Kasca.....	28	Oglesby.....	1	1			Head and shoulder injured, fall- ing rock.....	34
	12 Joe Vota.....	50	So. Wilmington.....	1	1	7	8	Back injured, falling rock.....	56
	14 Stany Karlos.....	28	Oglesby.....	1	1			do.....	34
	19 Louis Lissy.....	45	S. Wilmington.....	1	1	6	7	Leg injured, kicked by mule.....	49
	19 G. Girock.....	49	Pern.....	1	1	4	5	Back injured, falling rock.....	178
	20 Don Raboufoul.....	30	So. Wilmington.....	1	1	1	1	Toe broken, falling coal.....	35
	26 Peter Godo.....	16	Braceville.....	1	1			Back injured, falling rock.....	41
	28 Thos. Stewart.....	59	Diamond.....	1	1	1	1	Leg broken, falling rock.....	189
	31 Andrew Gotch.....	31	Streator.....	1	1	3	4	Arm broken falling rock.....	70
Sept.	5 Dan Richie.....	26	So. Wilmington.....	1	1			Ribs broken falling coal.....	35
	7 Paul Kleifeldt.....	40	La Salle.....	1	1	6	7	Knee injured, pit car.....	47
	11 Joe Brozma.....	48	Rockwell.....	1	1	6	7	Leg broken, falling coal.....	150
	12 John Sminski.....	41	Pern.....	1	1	5	7	Leg broken, falling rock.....	158
	13 Patrick Murray.....	35	Kangley.....	1	1			Toe broken, falling rock.....	30
	18 J. E. Phillips.....	31	Streator.....	1	1	5	4	Foot injured, stepped on nail.....	135
	20 Mike Felos.....	59	do.....	1	1	2	3	Ribs broken, falling coal.....	30
	21 Andrew Hudak.....	28	Kangley.....	1	1			Knee bruised, falling coal.....	35
	23 Chas. Grease.....	39	Oglesby.....	1	1			Ankle injured, falling rock.....	74
	26 Mike Shiack.....	43	La Salle.....	1	1	3	4	Back injured, falling rock.....	83
	27 Theo. Lenzi.....	42	So. Wilmington.....	1	1	6	7	Back injured, falling coal.....	42
Oct.	4 Don Merlo.....	24	do.....	1	1			Back injured, falling rock.....	182
	7 John Decker.....	58	Coal City.....	1	1			Ribs broke falling rock.....	90
	7 Geo. Filcher.....	29	So. Wilmington.....	1	1			Toe broken, pit car.....	35
	7 Joe Lement.....	40	La Salle.....	1	1			Wrist sprained, railroad car.....	117
	8 Gregor Wozneck.....	45	Oglesby.....	1	1	3	4	Back bruised, falling rock.....	
	12 Louis Buchofski.....	33	La Salle.....	1	1	6	7	Collar bone broken, pit car.....	58
	12 Geo. Crook.....	55	do.....	1	1	3	4	Foot crushed, falling rock.....	39
	14 Herman Hailman.....	27	Braidwood.....	1	1	1	1	Side injured, falling timber.....	33
	18 James Buckley.....	40	Oglesby.....	1	1	5	6	Eye injured, sulphur flying from pick.....	30
	19 Anton Boungul.....	35	La Salle.....	1	1			Body injured, falling coal.....	30
	19 Chas. Roback.....	22	Braidwood.....	1	1		1	Thumb injured, falling coal.....	30
	19 Joe Frasco.....	37	So. Wilmington.....	1	1			Back injured, falling rock.....	30
	23 Felix Lamanewski.....	38	Oglesby.....	1	1		1	Collar bone broken, falling coal.....	50
	29 Albert Kubiez.....	35	Streator.....	1	1	4	5	Leg broken, falling coal.....	140
Nov.	1 Isidor Wevzzi.....	36	Clarke City.....	1	1	1	2	Foot crushed, falling rock.....	31
	8 John Veoris.....	18	Braceville.....	1	1			do.....	39
	8 Peter Quinn.....	23	do.....	1	1			Hand injured, pit car.....	33
	8 Chas. A. Johnson.....	42	do.....	1	1			Arm broken, falling coal.....	110
	14 Michael Cokeser.....	41	Kangley.....	1	1		1	Stomach injured, pit car.....	180
	20 Ronold Jasholski.....	44	La Salle.....	1	1			Leg broken, descending cage.....	*
	20 Joe Kortchok.....	39	do.....	1	1	1	2	do.....	*
	20 Peter Saboms.....	40	do.....	1	1	4	5	do.....	*
	20 J. Moeznyak.....	28	La Salle.....	1	1			do.....	*
	20 Joe Tolar.....	25	do.....	1	1			do.....	*
	20 M. Prostinick.....	29	do.....	1	1			Ankle fractured, descending cage.....	*
	20 Paul Delumbrai.....	29	Crocketville.....	1	1			Leg broken, descending cage.....	*
	20 James Gistard.....	41	Jonesville.....	1	1	8	9	Back injured, descending cage.....	*
	20 Frank Costello.....	42	do.....	1	1	5	6	Ankle fractured, descending cage.....	*
	20 C. Dejouhed.....	35	Crocketville.....	1	1	5	6	Spine injured, descending cage.....	*
	22 Robt. Smith.....	59	Marseilles.....	1	1	3	4	Head injured, falling rock.....	120
	22 Joe Fouoglis.....	43	Braceville.....	1	1			Leg injured, falling rock.....	46
	24 Joe Mozar.....	42	Torino.....	1	1			Finger injured, falling rock.....	65
	30 David Watkins.....	70	Braceville.....	1	1		1	Leg injured, falling coal.....	40
Dec.	30 Anton Vaisis.....	39	Oglesby.....	1	1	1	1	Leg injured, pit car.....	34
	2 Andrew Knits.....	38	Streator.....	1	1	3	4	Leg broken, falling coal.....	108
	13 Joe Kitts.....	45	Oglesby.....	1	1	2	3	Back injured, falling rock.....	30
	16 Faute Ricardo.....	31	So. Wilmington.....	1	1			Foot injured, falling rock.....	35
	18 Frank Bollain.....	23	do.....	1	1			Finger mashed, falling rock.....	35
	18 James Doyle.....	36	Streator.....	1	1	1	2	Face and hands burned, gas ex- plosion.....	62

Non-Fatal Casualties—First District—Concluded.

Date.	Name.	Age.	Residence. (Town.)	Married. Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1908								
Jan. 17	S. Hitchens.....	58	Oglesby.....	1	.....	1	Leg broken, pit car.....	*
18	R. D. Cablin.....	65	Kangley.....	1	.....	1	Back injured, falling coal.....	40
24	Henry Mengora.....	20	Oglesby.....	1	.....	1	Legs injured, pit car.....	42
25	Daniel Gruhyke.....	50	Marseilles.....	1	.....	1	Hand injured, pit car.....	50
Feb. 6	Anton Pasca.....	28	Oglesby.....	1	1	1	Finger injured, falling rock.....	90
11	William Shafer.....	40	Streator.....	1	5	6	Leg broken, falling rock.....	90
12	William Rose.....	47	Oglesby.....	1	.....	1	Leg injured, falling coal.....	30
15	Louis Galli.....	33	So. Wilmington.....	1	.....	1	Finger mashed, falling coal.....	35
17	Martin Baker.....	35	Oglesby.....	1	2	3	Leg broken, pit car.....	108
18	Ben Krattiffe.....	27	Braidwood.....	1	3	4	Arm injured, falling rock.....	60
28	Ed. Marione.....	34	Coal City.....	1	.....	1	Back injured, falling rock.....	60
Mar. 6	John Sebeck.....	37	Braidwood.....	1	4	6	Ankle injured, falling rock.....	60
7	E. Monteraselle.....	49	So. Wilmington.....	1	.....	1	Back injured, falling rock.....	49
12	Thos. Matthews.....	38	Oglesby.....	1	3	4	Foot injured, falling rock.....	30
20	Andrew Comma.....	45	do.....	1	4	5	do.....	58
21	Dan Gughemno.....	37	So. Wilmintgon.....	1	.....	1	Leg injured, falling coal.....	35
21	C. Primo.....	18	do.....	1	.....	1	Hand injured, falling coal.....	35
23	Steve Bazzini.....	28	do.....	1	1	2	Leg injured, falling rock.....	35
24	Mike Beito.....	18	do.....	1	1	1	Leg injured, falling coal.....	35
Apr. 7	Angelo Braglo.....	32	Oglesby.....	1	.....	1	Foot injured, falling rock.....	41
May. 20	John Prigan.....	67	Kangley.....	1	.....	1	Leg injured, falling coal.....	60
29	Andrew Gehofsky.....	35	Streator.....	1	5	6	Foot injured, falling rock.....	60
June 1	Joe Schweigel.....	35	Oglesby.....	1	4	5	do.....	*
	Total.....			52	36	152	200	

*Not recovered July 1, 1908.

Total number of men injured.....	88
Not recovered July 1, 1908.....	1
Number recovered July 1, 1908.....	75
Time lost by men recovered, days.....	5,234
Average time lost by men recovered, days.....	69 79

Recapitulation of Non-Fatal Casualties—First District—1908.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Braceville.....	7	Drivers.....	5	Falling coal.....	20	Acme Coal Co.....	2
Braidwood.....	5	Miners.....	74	Falling rock.....	42	Braceville Coal Co.....	6
Crocketville.....	2	Roadmen.....	3	Falling timber.....	1	Clark City Wilm. C. Co.....	1
Coal City.....	2	Timbermen.....	4	Cage.....	10	C. W. & V. Coal Co.....	23
Clarke City.....	1	Tracklayer.....	1	Flying sulphur.....	1	Illinois Zinc Co.....	14
Jonesville.....	3	Top laborer.....	1	Gas explosion.....	1	LaSalle C. C. C. Co.....	17
Kangley.....	5			Kicked by mule.....	1	Mrs. Coal Co.....	3
LaSalle.....	12			Pit cars.....	10	M. & H. Zinz Co.....	1
Marselles.....	3			Railroad cars.....	1	Murphy-Keenan & Co.....	5
Oglesby.....	19			Stepped on nail.....	1	Oglesby Coal Co.....	7
Peru.....	2					Star Coal Co.....	5
Rockwell.....	1					Wilm. Coal M. & Mfg. Co.....	2
Streator.....	8					Wilm. Star Mining Co.....	2
Torino.....	1						
So. Wilm.....	17						
Totals.....	88		88		88		88

Recapitulation of Non-Fatal Casualties, Nature of Injuries, Conjugal Relations and Time Lost—First District—1908.

NATURE OF INJURIES.	Number.	Married.	Single.	Children.	Dependents.	TIME LOST-DAYS.		Percent- age of injuries.
						Total.	Average.	
Ankles injured.....	4	2	2	9	12	134	67.00	4.55
Arms broken.....	2	1	1	3	4	180	90.00	2.27
Arms injured.....	2	2		4	6	91	45.50	2.27
Backs injured.....	16	11	5	40	51	860	66.15	18.18
Body bruised.....	2	1	1	1	1	63	31.50	2.27
Collarbone broken.....	2	2		6	8	108	54.00	2.27
Eye injured.....	1	1		5	6	30	30.00	1.14
Face and hands burned.....	1	1		1	2	62	62.00	1.14
Feet crushed.....	4	3	1	7	10	257	64.25	4.55
Feet injured.....	7	5	2	21	24	359	59.84	7.94
Fingers mashed.....	5	2	3	1	2	255	51.00	5.68
Hands injured.....	3		3			148	49.33	3.41
Head injured.....	1	1		3	4	120	120.00	1.14
Head and shoulders bruised.....	1		1			34	34.00	1.14
Jaw fractured.....	1		1			160	160.00	1.14
Knee bruised.....	2	1	1	6	7	82	41.00	2.27
Legs broken.....	15	11	4	34	46	1,303	162.87	17.04
Legs injured.....	11	5	6	8	12	436	39.64	12.50
Ribs broken.....	3	1	2	2	3	155	51.66	3.41
Stomach injured.....	1	1			1	180	180.00	1.19
Toes broken.....	3	1	2	1	1	100	33.33	3.41
Wrists sprained.....	1		1			117	117.00	1.14
Totals, averages and percent- ages.....	88	52	36	152	200	5,234	69.79	100.00

Grundy County—First District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run	Lump	Other grades.	Total
SHIPPING MINES.						
1	Chicago, Wilm. & Ver. Coal Co. No. 2.....	So. Wilmington.....		154,787	61,229	216,016
2	Braceville Coal Co. No. 6.....	Braceville.....	163,960		45,782	209,742
3	Chicago, Wilm. & Ver. Coal Co. No. 1.....	So. Wilmington.....		147,821	60,496	208,317
4	Big Four Wilm. Coal Co. No. 6.....	Carbon Hill.....		113,863	32,188	146,051
5	Big Four Wilm. Coal Co. No. 5.....	do.....		84,213	35,805	120,018
6	Wilm. Star Mining Co. No. 6.....	Coal City.....		60,360	45,887	106,247
7	Big Four Wilm. Coal Co. No. 3.....	Carbon Hill.....		52,520	26,213	78,733
8	Wilm. Star Mining Co. No. 7.....	Coal City.....		26,891	26,958	53,849
9	Wilm. Star Mining Co. No. 5.....	do.....		4,426	3,525	7,951
Totals.....			163,960	644,881	338,083	1,146,924
LOCAL MINES.						
1	Braidwood Wilmington Coal Co.....	Braceville.....		5,700	300	6,000
2	Byrnes & Fleming.....	Morris.....		3,000	50	3,050
3	William Mitchell.....	do.....		3,000	50	3,050
4	Wood Coal Co.....	do.....		2,700	150	2,850
5	James Heather.....	do.....		2,500	100	2,600
6	Heather & Clayton.....	do.....		2,100	318	2,418
7	Frank Gilbride.....	do.....		1,840	100	1,940
8	James Bell.....	do.....		1,600	300	1,900
9	John Mitchell.....	do.....		1,200	300	1,500
10	J. H. Cryer.....	do.....		1,200	50	1,250
11	Henry Tasdall.....	do.....		900	100	1,000
Totals.....				25,740	1,818	27,558
Totals—20 mines.....			163,960	670,621	339,901	1,174,482

Mines reported for 1907, 22.

New mines, 1

Abandoned mines, 3.

Mines in 1908, 20.

Grundy County—First District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—from solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$322,200	193,742	22,274	240	317	101	418	216,016	.....	10	.....	U. C. . .	W. . . .	1
273,410	195,888	13,854	254	338	108	446	209,742	1	6	2,400	Both. . .	W. . . .	2
310,682	190,516	17,801	232	298	87	385	208,317	.....	7	.....	U. C. . .	W. . . .	3
201,112	140,278	5,773	259	268	68	336	146,051	1	.....	20	..do..	Pneu.	4
165,265	109,879	10,139	265	211	60	271	120,018	.....	.....	900	Both. . .	Pneu.	5
148,745	102,157	4,090	238	151	78	229	106,247	.....	1	1,491	..do..	St. W	6
108,415	74,273	4,460	244	157	46	203	78,733	.....	.....	700	..do..	W. . . .	7
75,389	51,728	2,121	258	73	37	110	53,849	.....	.....	1,364	..do..	St. W	8
11,131	6,006	1,945	145	19	21	40	7,951	1	1	71	..do..	..do..	9
\$1,616,349	1,064,467	82,457	237	1,832	606	2,438	1,146,924	3	25	6,946			
\$12,000	.....	6,000	200	10	2	12	6,000	.....	.....	.....	.....	Wire.	1
8,328	.....	3,050	250	9	1	10	3,050	.....	.....	.....	.....	..do..	2
8,328	.....	3,050	270	9	1	10	3,050	.....	.....	.....	.....	..do..	3
7,247	.....	2,850	230	10	1	11	2,850	.....	.....	.....	.....	..do..	4
6,877	.....	2,600	240	10	1	11	2,600	.....	.....	.....	.....	..do..	5
6,209	.....	2,418	225	8	2	10	2,418	.....	.....	.....	.....	..do..	6
5,060	.....	1,940	202	8	2	10	1,940	.....	.....	.....	.....	..do..	7
4,700	.....	1,900	220	7	1	8	1,900	.....	.....	.....	.....	..do..	8
3,765	.....	1,500	260	6	1	7	1,500	.....	.....	.....	.....	..do..	9
3,378	.....	1,250	175	6	1	7	1,250	.....	.....	.....	.....	..do..	10
2,477	.....	1,000	265	5	1	6	1,000	.....	.....	.....	.....	..do..	11
\$68,429	.....	27,558	222	88	14	102	27,558	.....	.....	.....
\$1,684,778	1,064,467	110,015	.....	1,920	620	2,540	1,174,482	3	25	6,946			

Kankakee County—First District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
			SHIPPING MINES.			
1	Clarke City Wilmington Coal Co.....	Clarke City.....	2,045	10,116	5,640	17,801

Mines reported for 1907, 1.

Mines in 1908, 1.

Kankakee County—First District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employees.	Total.		Killed.	Injured.				
\$26,701	14,917	2,884	227	25	27	52	17,801	1	1	639	Solid. . .	Wire.	1

LaSalle County—First District—1908.

		OUTPUT OF MINES IN TONS.				
Number.	NAME OF OPERATOR.	Postoffice address of the mines.	Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Oglesby Coal Co. No. 1.	Oglesby	10,233	140,127	52,421	202,781
2	La Salle County Carbon Coal Co. No. 1.	La Salle	1,408	109,897	82,817	194,122
3	Chicago, Wilm. & Ver. Coal Co. No. 2.	Streator		77,894	81,658	159,552
4	La Salle C. C. Co. Union	La Salle	890	70,645	74,274	145,809
5	Acme Coal Co. Acme	Streator		71,299	70,562	141,861
6	La Salle C. C. Co. La Salle	La Salle	17,974	45,151	43,723	106,848
7	La Salle C. C. Co. Rockwell	do	5,939	39,901	44,478	90,318
8	La Salle C. C. Co. No. 5.	do	21,771	37,707	23,931	83,409
9	James Cahill Estate No. 1	Peru		58,176	8,346	66,522
10	Star Coal Co. No. 5.	Kangley	1,006	40,529	19,153	60,688
11	Illinois Zinc Co. No. 1.	Peru	58,435			58,435
12	Mrs. E. Hakes No. 2.	Rutland	17,924	24,744	6,904	49,572
13	Star Coal Co. No. 4.	Kangley		28,358	11,103	39,461
14	Howe Coal Co. No. 1.	Streator	2,351	22,281	9,902	3,534
15	Chicago, Wilm. & Ver. Coal Co. No. 3.	do	6,774	1,832	1,077	9,683
16	William Francis & Co. No. 1.	do		2,561	1,250	3,811
Totals			144,705	771,102	531,599	1,447,406
LOCAL MINES.						
1	Matthisen & Hegeler Zink Co. M. & H. Z.	La Salle	125,912			125,912
2	Manufacturers Coal Co. No. 1.	Marseilles	29,681			29,681
3	William Dawson No. 1.	Deer Park	5,456			5,456
4	Nelson & Stokes	Streator		3,000	1,000	4,000
5	Harrison Coal Co. No. 4.	do		1,625	875	2,500
6	Streator Fuel Co. No. 1.	do		1,600	900	2,500
7	Chas. Hendy	Ottawa	750	700	50	1,500
8	Oscar Kimes	Streator	251	839	344	1,434
9	Joseph Warnock	Lowell		700	300	1,000
10	William Bottomley	do	797			797
11	Jerry Pratt	do		600	70	670
12	George Steele	Ottawa	280	280	40	600
13	Adam Crompton	do	300	250	50	600
14	Joseph Starkey	Wilsman		400	100	500
15	Spencer Coal Co.	Marseilles		325	75	400
16	Brooker Bros	Lowell	325			325
17	Chas. Hepp	Ottawa	300			300
18	James McCullough	do		250	50	300
19	Lowell Pottery Co.	Lowell	300			300
20	John McNeil	Kangley		220	80	300
21	William Mertz	Ottawa		220	30	250
22	Kelly & Gudge	Lowell	200			200
Totals			164,552	11,009	3,964	179,525
Totals—38 mines			309,257	782,111	535,563	1,626,931

Mines reported for 1907, 39.

New mines, 5.

Abandoned mines, 6.

Mines in 1908, 38.

LaSalle County—First District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
8330,875	187,442	15,339	256	272	122	394	202,781	1	7	.....	U. C.	E.	1
322,456	184,750	9,372	234	290	129	419	194,122	2	10	.....	do.	W.	2
208,995	142,628	16,924	222	250	84	334	159,552	1	6	.....	do.	do.	3
247,685	86,304	59,505	245	224	100	324	145,809	1	2	11	do.	do.	4
175,000	99,039	42,822	230	228	79	307	141,861	.....	2	1,892	do.	Pneu.	5
184,468	45,147	61,701	237	182	105	287	106,848	2	2	5	U. C.	W.	6
149,905	84,862	5,456	222	157	82	239	90,318	.....	2	11	do.	do.	7
120,599	73,837	9,572	250	158	108	266	83,409	.....	2	1	Both.	E.	8
106,435	27,234	39,288	229	114	49	163	66,522	3	1	1,678	U. C.	W.	9
88,200	57,848	2,840	230	109	31	140	60,688	.....	.....	2	B. S.	do.	10
87,653	56,380	2,055	305	94	66	160	58,455	1	14	3,020	Both.	E.	11
84,007	23,230	26,342	184	88	42	130	49,572	.....	.....	2,206	do.	do.	12
56,500	36,245	3,216	216	77	25	102	39,461	1	3	150	do.	W.	13
56,974	16,737	17,797	206	42	21	63	34,534	.....	.....	861	do.	do.	14
12,680	7,480	2,203	72	70	25	95	9,683	.....	.....	195	U. C.	do.	15
6,372	80	3,731	200	10	2	12	3,811	.....	.....	104	Both.	do.	16
82,238,804	1,129,243	318,163	221	2,365	1,070	3,435	1,447,406	12	54	10,133	.....	.....	.....
.....
\$157,389	.....	125,912	219	73	33	106	125,912	.....	1	4,464	Solid.	W.	1
59,362	.....	29,681	240	65	32	97	29,681	.....	.....	250	U. C.	do.	2
8,174	.....	5,456	241	8	8	16	5,456	.....	.....	.....	do.	do.	3
7,000	.....	4,000	200	6	2	8	4,000	.....	.....	.....	do.	do.	4
3,500	.....	2,500	200	10	3	13	2,500	.....	.....	40	do.	do.	5
3,500	.....	2,500	280	6	4	10	2,500	.....	.....	50	do.	do.	6
2,600	.....	1,500	285	6	1	7	1,500	.....	.....	.....	do.	do.	7
2,313	.....	1,434	180	8	1	9	1,434	.....	.....	60	W.	do.	8
1,700	.....	1,000	175	6	1	7	1,000	.....	.....	.....	do.	do.	9
1,594	.....	797	200	3	.....	3	797	.....	.....	25	.....	do.	10
1,400	.....	670	240	3	.....	3	670	.....	.....	10	.....	do.	11
1,230	.....	600	170	5	.....	5	600	.....	.....	20	.....	do.	12
1,138	.....	600	160	2	.....	2	600	.....	.....	15	.....	do.	13
900	.....	500	225	3	.....	3	500	.....	.....	12	.....	do.	14
775	.....	400	150	4	1	5	400	.....	.....	6	W.	do.	15
487	.....	325	175	3	.....	3	325	.....	.....	6	.....	do.	16
600	.....	300	180	2	.....	2	300	.....	.....	5	.....	do.	17
674	.....	300	160	2	.....	2	300	.....	.....	4	.....	do.	18
600	.....	300	180	2	.....	2	300	.....	.....	8	.....	do.	19
520	.....	300	150	2	.....	2	300	.....	.....	10	.....	do.	20
532	.....	250	190	2	.....	2	250	.....	.....	.....	.....	do.	21
400	.....	200	120	2	.....	2	200	.....	.....	.....	.....	do.	22
.....
\$256,388	.....	179,525	196	223	86	309	179,525	.....	1	4,985	.....	.....	.....
.....
\$2,495,192	1,129,243	497,688	.....	2,588	1,156	3,744	1,626,934	12	55	15,118	.....	.....	.....

Will County—First District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Wilm. Coal Mning & Mfg. Co. No. 6.	Torino.		55,332	12,086	67,418
2	Murphy Keenan & Co. No. 3.	Braidwood.	1,661	41,000	17,595	60,256
3	Joliet-Wilmington Coal Co. No. 2.	do.	1,416	20,201	7,223	28,840
Totals.			3,077	116,533	36,904	156,514
LOCAL MINE.						
1	John O'Connor & Co.	Braidwood.		3,500	1,000	4,500
Totals—4 mines			3,077	120,033	37,904	161,014

Will County—First District—Concluded.

Aggregate value of total product	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$94,385	62,036	5,382	264	135	52	187	67,418	.....	2	.....	U. C....	W....	1
90,484	53,087	7,169	203	104	46	150	60,256	.....	5	.....	..do....	..do..	2
47,210	25,890	2,950	207	86	31	117	28,840	.....	.....	.....	..do....	..do..	3
<u>\$232,079</u>	<u>141,013</u>	<u>15,501</u>	<u>225</u>	<u>325</u>	<u>129</u>	<u>454</u>	<u>156,514</u>	<u>.....</u>	<u>7</u>	<u>.....</u>			
<u>\$9,050</u>	<u>.....</u>	<u>4,500</u>	<u>180</u>	<u>8</u>	<u>2</u>	<u>10</u>	<u>4,500</u>	<u>.....</u>	<u>.....</u>	<u>.....</u>	U. C....	W....	1
\$241,129	141,013	19,501	180	333	131	464	161,014	.....	7	.....		

Shipping Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Grundy.....	9	163,960	644,881	1,150	25,184	293,562	18,187	1,146,924	\$1.41
Kankakee.....	1	2,045	10,116	.....	1,474	4,166	.....	17,801	1.50
LaSalle.....	16	144,705	771,102	202,232	11,988	281,559	35,820	1,447,406	1.549
Will.....	3	3,077	116,533	.....	5,791	24,613	6,500	156,514	1.482
Total.....	29	313,787	1,542,632	203,382	44,437	603,900	60,507	2,768,645	\$1.472

Local Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Grundy.....	11	.....	25,740	.....	.....	1,818	.....	27,558	\$2.483
LaSalle.....	22	164,552	11,009	.....	.....	3,964	.....	179,525	1.428
Will.....	1	.....	3,500	.....	.....	1,000	.....	4,500	2.01
Total.....	34	164,552	40,249	.....	.....	6,782	.....	211,583	\$1.578
Grand total.....	63	478,339	1,582,881	203,382	44,437	610,682	60,507	2,980,228	\$1.58

Whole number of mines reported in 1907, 67.
 Number of mines opened during the year, 6.
 Number of mines abandoned during the year, 10.
 Whole number of mines reported for 1905, 63.

Counties—First District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYEES.						Tons mines—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.	From solid—Tons.			Undercut—Tons.	Both methods—Tons.	
			Miners.	Others.	Boys.								
1,064,467	82,457	237	1,832	407	45	154	2,438	1,146,924	6,946	.....	570,384	576,540
14,917	2,884	227	25	15	3	9	52	17,801	639	17,801	.....	.....
1,129,243	318,163	221	2,365	629	78	263	3,435	1,447,406	10,133	60,688	91,117,494	269,224	
141,013	15,501	225	325	74	15	40	454	156,514	.....	.....	156,514	.....
2,349,640	419,005	227	4,547	1,125	141	566	6,379	2,768,645	17,718	78,489	1,844,392	845,764	

Counties—First District—1908.

DISPOSITION OF OUTPUT—TONS		Days of active operation.	EMPLOYES.						Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.	From solid—Tons.			Undercut—Tons.	Both methods—Tons.	
			Miners.	Others.	Boys.								
.....	27,558	222	88	.....	.....	14	102	27,558	.....	.....	.....	.....	.....
.....	179,525	196	223	50	5	31	309	179,525	4,985	125,912	3,968	.....	.....
.....	4,500	180	8	.....	.....	2	10	4,500	.....	.....	.....	.....	.....
.....	211,583	207	319	50	5	47	421	211,583	4,985	125,912	3,968	.....	.....
2,349,640	630,588	.....	4,866	1,175	146	613	6,800	2,980,228	22,703	204,401	1,848,360	845,764	845,764

SECOND INSPECTION DISTRICT--1908.

THIRD ANNUAL REPORT.

COUNTIES: BUREAU, HENRY, KNOX, MERCER, ROCK ISLAND, WARREN.

Hon. David Ross, Secretary State Bureau of Labor Statistics, Springfield, Ill.:

SIR—In accordance with section 12 of an Act of the General Assembly of the State of Illinois, defining the duties of State Inspectors of Mines, and providing for the better preservation of the health and safety of all persons employed therein, I have the honor of submitting the twenty-fifth annual report of the second inspection district, and the third annual report of the district, as now formed, comprising the coal producing counties of Bureau, Henry, Knox, Mercer, Rock Island and Warren.

The tabular information contained in this report gives all the usual statistics in regard to the number of persons employed in the different branches of the coal industry; the number of mines of both classes, shipping and local; the depths of the shafts and slopes; the thickness of the various seams of coal and their geological number; the quantity of powder consumed in blasting coal, and for other mining operations; the number of accidents; the amount of coal produced of the various grades, with averages, ratios and percentages, and such other information as is usually contained in a report of this character.

The following summary for the second district, for the year ending June 30, 1908, is presented:

Number of shipping mines.....	15
Number of mines in local trade only.....	116
Total number of mines.....	131
Number of miners employed.....	4,198
Number of other employés underground.....	1,000
Number of boys employed underground.....	144
Number of employés engaged on the surface.....	460
Total number of employés.....	5,802
Number of kegs of powder consumed for all purposes.....	42,943
Tons of lump coal produced.....	1,657,438
Tons of all other grades combined.....	716,497
Total product in tons of 2000 pounds.....	2,373,935
Tons shipped on R. R. cars, at the mines.....	1,974,102
Tons sold to local trade.....	257,262
Tons supplied to locomotives at the mines.....	28,677
Tons consumed for steam and heating purposes at mines.....	113,894
Number of fatal accidents.....	6
Number of non-fatal accidents.....	102
Total number of accidents, both classes.....	108
Number of employés to each fatal accident.....	967
Number of employés to each non-fatal accident.....	57
Tons of coal produced to each fatal accident.....	395,656
Tons of coal produced to each non-fatal accident.....	23,274
Tons of coal produced to each miner employed.....	565
Tons of coal produced to each employé, all classes.....	409
Number of counties producing coal in second inspection district.....	6
Ratio of fatal accidents per 1000 persons employed.....	1

COMPARATIVE TABLES.

The following shows the product in tons in the six coal producing counties in the second district for the years ending June 30, 1907 and 1908, with the increase and decrease:

COUNTIES.	TOTAL PRODUCT OF ALL GRADES OF COAL IN TONS.		Increase.	Decrease.
	1907	1908		
Bureau.....	1,891,900	1,688,528		203,372
Henry.....	173,587	147,482		26,105
Knox.....	42,668	44,070	1,402	
Mercer.....	458,472	419,448		39,024
Rock Island.....	66,513	62,961		3,552
Warren.....	14,110	11,446		2,664
Totals.....	2,647,250	2,373,935	1,402	274,717
Net decrease.....				273,315

From the foregoing table it will be seen that the county of Knox is the only one to show an increase over the year previous, and that increase only 1,402 tons, while the counties of Bureau, Henry, Mercer, Rock island and Warren combined show a decrease of 274,717 tons, the net decrease for the district being 273,315 tons.

The year ending June 30, 1908, has been an extremely dull one for the coal trade, so far as the second district is concerned; the depression commenced with the financial troubles of last fall and winter and has been persistently kept up to the present time, with nothing particularly encouraging to look forward to for the future.

NEW AND ABANDONED MINES.

Only one mine of the shipping class has gone into operation during the year; this is the Atlas Coal Company's shaft No. 4, located at Galva, Henry county. This mine went into active operation Sept. 1, 1907; it has switch connections with the Chicago, Rock Island & Pacific railroad.

The Kewanee Coal Company's shaft No. 1, located at Kewanee, Henry county, has been worked out and was abandoned Oct. 25, 1907.

IMPROVEMENTS.

Many improvements have been made at the larger mines during the year, despite the depression in trade and the hard times. Probably the most costly and efficient is the putting in of a Capel ventilating fan, installed by the St. Paul Coal Company at its No. 2 mine, Cherry, Bureau county. This fan is 16 feet in diameter and 6½ feet wide; when running at 180 revolutions per minute, it passes 180,000 cubic feet of air per minute, and gives about 6 inches of water gauge. This company is at present operating what is known as the middle or second vein, but are now engaged in opening up the third vein or seam No. 2 of the geological section.

FATAL ACCIDENTS.

The following is a detailed report of the fatal accidents occurring in the second district during the year ending June 30, 1908:

Sept. 20, 1907, Clement Fourro, miner, aged 34 years, married, had his back severely injured by falling roof at the face of his working place in shaft No. 2, operated by the Spring Valley Coal Company, Spring Valley, Bureau county. He was taken to the hospital and later to his home in Spring Valley, where he died from the injuries April 20, 1908, seven months after the accident. Deceased was sitting and talking with his partner at the "road-head" of his room when a mass of roof suddenly fell from the "brushing face," striking him on the back and shoulders with the result as stated. He leaves a widow and one child.

Oct. 14, 1907, Victor Aitutis, miner, aged 22 years, single, was struck on the back of the head, breaking his neck, by falling roof at the face of his working place in the Marquette Coal Mining Company's mine at Marquette, Bureau county. He died from the injuries received about fifteen minutes after being removed from the mine. Deceased was working with a partner and was in the act of taking down a break of coal but did not observe that a layer of the roof above the coal was loose; when the coal fell the roof came with it, a piece of which projecting over and beyond the coal struck him on the back of the head, breaking his neck and causing his death as stated.

Jan. 16, 1908, Ben Grosso, miner and extra driver, aged 19 years, single, was killed instantly by being crushed between loaded pit cars and the side of the entry in the No. 3 mine of the Spring Valley Coal Company, Spring Valley, Bureau county. Deceased was engaged as an extra driver at the time of the accident. The day of the accident he was driving a mule in the 13th north, off the main west entry; he was longer in coming to the parting with his loaded trip than usual; another driver who was waiting at the parting for him to come out went inside to look for him; this driver found the mule and trip of two loaded pit cars, and a short distance beyond found the body of Grosso lying partially on the track, dead. There were no witnesses to the accident, and it can only be assumed that he fell, or was knocked from his seat on the loaded pit car, and caught between the cars and side of the entry.

Feb. 24, 1908, Hubert Morris, driver, aged 22 years, single, was killed instantly by being crushed under a trip of two loaded pit cars in the No. 5 mine of the Spring Valley Coal Company, located at Dalzell, Bureau county. The facts as to just how this accident occurred are quite hard to determine, as no one was present at the time. Deceased was coming down a slight gradient with two loaded pit cars, riding on the front of the first car, according to custom; and the most reasonable theory is, that he lost his balance and fell in front of the rapidly moving cars. He was found under the first car shortly afterwards and was dead when found.

March 6, 1908, Anton Cira, miner, aged 26 years, married, was killed instantly by falling roof at the face of his working room in mine No. 2 of the St. Paul Coal Company, located at Cherry, Bureau county. Deceased and his partner were at work in a room when a large mass of roof suddenly fell, part of which struck Cira on the back of the head, crushing him to the floor of the mine. The mass of roof that fell was about 15 feet long, 10 feet wide, with an average thickness of about 10 inches; it was nearly 2 feet thick at the smooth or slip on one side, running out to a feather edge at the other. The room in which the accident occurred was fairly well timbered, props were standing about 6 feet from the coal face on the right hand side of the room and about 10 feet on the left. He leaves a widow and one child.

June 23, 1908, Thomas White, miner, aged 28 years, married, was killed instantly by being struck on the head by a heavy fall of roof at the face of his working place in the No. 2 mine operated by the St. Paul Coal Company at Cherry, Bureau county. Deceased was an experienced miner. He

was employed in driving the 8th south entry in the mine, and was in the act of building up a loaded car with lumps of coal, when suddenly a large mass of roof fell, striking him on the head and crushing him against the side of the pit car. He had been notified of the dangerous condition of the roof by the assistant mine manager about an hour previous to the accident, but had evidently neglected to make it safe at the proper time. He leaves a widow and three children.

In addition to the above, I have thought it proper to report that Bernard O'Dowd, a miner, aged 55 years, married, leaving a widow and three children, died of heart failure at the face of his working place in mine No. 2 operated by the Spring Valley Coal Company at Spring Valley, Aug. 10, 1907, and is not reported as an accident.

Also that John Stought, injured in the Kewanee Coal Company's shaft No. 1 at Kewanee, July 31, 1906, and reported in 1907, died as a probable result of his injuries April 19, 1908. These cases have not been included in the ratios submitted.

Following are the usual tables for each county in the second district.

Respectfully submitted,

THOS. HUDSON.

State Inspector of Mines, Second District, Galva, Ill.

Fatal Casualties—Second District—July 1, 1908.

Date.	Name.	Age.	Occupation.	Residence (Town.)	Married.	Widows.	Children.	Single	Persons dependent.	Cause of accident.
1907										
Sept. 20	Clement Fouro.....	34	Miner.....	Spring Valley..	1	1	1	..	2	Falling roof.....
Oct. 14	Victor Aitutis.....	22	do.....	do.....	..	..	..	1	..	do.....
1908										
Jan. 16	Ben. Grosso.....	19	Driver.....	do.....	..	..	..	1	..	Pit cars.....
Feb. 24	Hubert Morris.....	22	do.....	do.....	..	..	..	1	..	do.....
Mar. 6	Anton Cira.....	26	Miner.....	Cherry.....	1	1	1	..	2	Falling roof.....
June 23	Thos. White.....	28	do.....	do.....	1	1	3	..	4	do.....
	Totals—6.....				3	3	5	3	8	

Recapitulation of Fatal Accidents—Second District—1908.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Cherry.....	2	Drivers.....	2	Pit car.....	2	Marquette Coal Co.....	1
Spring Valley....	4	Miners.....	4	Pit car.....	2	St. Paul Coal Co.....	2
				Falling roof.....	4	Spring Valley Coal Co.....	3
Totals.....	6		6		6		6

Non-Fatal Casualties—Second District—July 1, 1908.

Date.	Name.	Age.	Residence. (Town.)	Married.	Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1907									
July.	17 Joseph Whitehall	43	Spring Valley	1			1	Hand injured, pit car	90
	24 Vincent Fallero	29	Seatonville		1			Knee broken, falling roof	*
	29 W. J. Handley	25	Cable		1			Collar bone broken, falling coal	37
Aug.	2 Mike Duto	32	Spring Valley	1				Leg broken, falling roof	90
	9 Paul Lucas	45	do.	1		4	5	Finger cut off, pit car	42
	12 Chas. Manning	26	Cherry		1			Foot injured, pit car	60
	17 Fred. Dallaqua	52	Spring Valley		1			Thumb crushed, pit car	119
	26 Jacko Veroaki	29	do.	1		1	2	Foot bruised, falling roof	35
	30 A. M. Swanson	48	Sherard	1		3	4	Back injured, falling roof	33
Sept.	9 F. A. Palm	56	Galva	1			1	Leg broken, falling coal	90
	10 Joe Bartolomare	32	Spring Valley	1		2	3	Thumb injured, falling roof	37
	16 Anton Melos	26	Cherry		1			Back injured, falling roof	50
	17 Wm. Le Beau	52	Spring Valley	1		3	4	Foot bruised, falling coal	30
	19 Mike Zeakutcia	42	Cherry	1		6	7	Finger crushed, pit car	40
	20 Louis Viano	38	Spring Valley		1			Foot bruised, falling roof	31
	30 Fautia Dautia	30	Ladd	1		2	3	Leg injured, pit car	43
Oct.	3 August Wayne	45	Spring Valley	1		7	8	Foot injured, falling coal	94
	5 John Hopkins	17	Ladd		1			Foot injured, pit car	48
	5 Camelia Perrard	40	Cherry	1		3	4	Back injured, falling roof	270
	8 Wm. Hooten	33	Kewanee		1			Face burned, powder exploding	55
	9 John Paul	53	do.	1		2	3	Back injured, falling roof	*
	14 Frank Bafora	18	Spring Valley		1			Finger injured, falling coal	60
	15 Peter Digirolauns	23	do.		1			Foot injured, falling rock	42
	17 A. Leveduski	17	do.		1			Finger mashed, pit car	42
	19 John Cavalli	34	Dalzell	1				Foot injured, falling coal	42
	19 Louis Casolaria	25	Seatonville	1			1	Toes broken, falling coal	30
	28 John Plaser	37	Dalzell	1			1	Arm broken, pit car	67
	28 N. P. Hogman	72	Cable	1			1	Back injured, pit car	*
	29 Geo. McWilliams, Jr.	43	Coal Valley	1		2	3	Body injured, falling coal	50
Nov.	6 Leonard Barnes	43	Spring Valley		1			Fingers crushed, falling coal	59
	11 Vardi Gildo	21	do.		1			Foot bruised, falling coal	30
	12 John Johnson	35	do.		1			Foot injured, falling clod	30
	18 Chas. Doxie	17	Sherard		1			Ankle injured, pit car	43
	20 Anton Stank	32	Spring Valley	1		4	5	Leg injured, cage	50
	21 Martin Powlack	24	do.		1			Foot bruised, falling coal	30
	30 Joe Killippl	28	do.		1	1	2	Ankle injured, falling roof	74
	30 Mike McFadden	24	do.		1			Foot injured, pit car	46
Dec.	2 Marrin Sanoff	23	do.		1			Head cut, falling roof	45
	2 Joe Raczkouski	43	Seatonville	1		3	4	Back injured falling roof	*
	3 George Grear	49	Cable	1		3	4	Leg injured, falling roof	48
	6 John Goller	37	do.		1	2	3	Head injured, falling roof	166
	9 M. Massini	26	do.		1			Leg fractured, pit car	30
	11 John Mussato	28	Seatonville		1			Toe broken, falling roof	37
	12 James Volinte	52	Spring Valley	1		2	3	Legs (both) broken, caught in transfer " on surface	*
	12 F. Sisto	26	Cherry		1			Ribs broken falling roof	43
	13 Gust. Krapp	53	Coal Valley	1		3	4	Ribs broken, falling roof	40
	13 James Clark	35	Cable	1		8	9	Ankle injured, falling coal	32
	16 Chas. Herkobb	46	Spring Valley	1		1	2	Leg broken, falling coal	90
	18 James Rowe	26	Sherard	1		2	3	Ankle injured, pit car	40
	19 N. Antellia	25	Dalzell	1				Foot injured, falling coal	30
	23 Ignot Counetti	28	Spring Valley		1			Leg injured, falling coal	52
	24 Chas. Workus	33	Seatonville		1			Head injured, falling coal	30
	27 John Simpson	21	Dalzell		1			Arm injured, falling coal	30
1908									
Jan.	2 P. A. Anderson	56	Sherard	1		1	2	Ankle injured, falling roof	41
	3 Leo Arnold	47	Seatonville	1				Back injured, falling roof	*
	10 Homer Harris	17	Sherard		1			Foot injured, falling roof	50
	11 John Schwarting	21	Spring Valley		1			Leg injured, pit car	50
	17 A. L. Grear	46	Cable		1			Leg broken, falling roof	90
	23 E. Floria	32	Ladd		1			Toes injured, falling rock	90
	24 Anton Mazenta	18	Spring Valley		1			Hand injured, pit car	35
	30 Ferrari Grigori	29	Seatonville	1		1	2	Body injured, falling roof	104
	31 Frank Seneski	35	Spring Valley	1		4	5	Body bruised, falling coal	51
Feb.	3 August Ladin	30	do.	1			1	Hand bruised, falling roof	51
	3 Barney Harmon	17	do.		1			Hand injured, pit car	30
	6 Joseph Rojery	19	Dalzell		1			Back injured, falling rock	30
	8 John Bruris	26	Spring Valley		1			Back injured, falling roof	39

Non-Fatal Casualties—Second District—Concluded.

Date.	Name.	Residence. (Town.)	Age.	Married.	Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1908									
Feb. 11	Thos. Richards.....	19 Spring Valley.....	1	1				Leg broken, pit car.....	125
11	J. Carps.....	42 Marquette.....	1					Ankle injured, falling roof.....	40
12	Joseph Yerley.....	21 Spring Valley.....	1	1	2			Leg injured, pit car.....	30
13	Jas. Carson, Jr.....	26 Marquette.....	1					Leg broken, pit car.....	115
13	John Meyeronski.....	22 Gilchrist.....	1					Leg broken, pit car.....	*
14	V. Chernovich.....	36 Marquette.....	1	3	4			Back injured, falling roof.....	120
15	J. J. Cox.....	58 Sherrard.....	1	6	7			Back injured, falling roof.....	58
18	John Farlo.....	29 Cherry.....	1	1				Eye injured, flying coal from pick.....	82
22	Reinert Paulsen.....	68 Spring Valley.....	1					Eye injured, flying coal.....	37
23	Vincent Bertotli.....	24 Seatonville.....	1					Wrist injured, falling coal.....	30
25	Thos. Baxter.....	22 Spring Valley.....	1	1	2			Back injured, pit car.....	*
26	Joe Ambrose.....	26 do.....	1					Ankle bruised, pit car.....	30
26	Simon Kelly.....	77 do.....	1					Body bruised, falling coal from wagon.....	30
Mar. 2	Alfred Manuel.....	24 Roseville.....	1	3	4			Ribs broken, falling roof.....	56
3	John Venson.....	34 Marquette.....	1	2	3			Arm bruised, coal falling down shaft.....	30
13	Eurus Mazine.....	29 Spring Valley.....	1					Foot crushed, falling roof.....	*
13	A. Musserella.....	35 do.....	1					Hand injured, falling roof.....	66
14	Thos. Bottomley.....	51 do.....	1	3	4			Leg injured, falling coal.....	65
14	Martin Carso.....	40 Cherry.....	1	3	4			Arms burned, premature blast.....	56
16	Peter McCrudden.....	46 do.....	1	5	5			Foot injured, falling roof.....	60
16	S. Johnson.....	26 do.....	1					Leg injured, pit car.....	50
17	Joe Rolando.....	29 Dalzell.....	1	3	4			Back bruised, falling roof.....	30
18	Frank Patten.....	17 Spring Valley.....	1					Foot crushed, pit car.....	*
20	Paul Carboni.....	30 Dalzell.....	1					Hand bruised, falling roof.....	30
20	Uinton Gundolfi.....	17 Seatonville.....	1					Hand bruised, falling roof.....	55
21	D. Giacomelli.....	32 Spring Valley.....	1					Head injured, falling coal.....	60
21	Peter Strand.....	53 Galva.....	1	2	3			Leg broken, falling coal.....	85
28	R. Pasquali.....	24 Spring Valley.....	1					Hand injured, falling coal.....	30
28	Joe Baltruchites.....	43 do.....	1	4	5			Ankle injured, falling coal.....	48
Apr. 21	Wm. Boyd.....	52 Kewanee.....	1	3	4			Ankle injured, falling roof.....	*
May. 19	Anton Anlinskas.....	30 Kewanee.....	1	1				Face and arms burned, powder explosion.....	*
22	A. Karvania.....	35 Cherry.....	1	2	3			Wrist injured, falling roof.....	34
June 9	George Gear.....	50 Cable.....	1	3	4			Fingers injured, falling coal.....	45
19	L. Nucouski.....	26 Ladd.....	1	4	5			Leg broken, falling coal.....	*
26	Arthur Esp.....	24 Gilchrist.....	1	2	3			Ankle bruised, pit car.....	*
29	John Barr.....	41 Spring Valley.....	1	3	4			Back sprained, lifting test wts.....	*
	Totals.....			56	46	123	172		

*Not recovered July 1, 1908.

Total number of men injured.....	102
Not recovered July 1, 1908.....	15
Number recovered July 1, 1908.....	87
Total time lost by men recovered, days.....	4,880
Average time lost by men recovered, days.....	56.09

Recapitulation of Non-Fatal Accidents—Second District—1908.

Residence.	No	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Cable.....	6	Cagers.....	1	Cage.....	1	Coal Valley Mining Co.....	12
Cherry.....	10	Drivers.....	16	Falling coal.....	28	Empire Coal Co.....	2
Coal Valley.....	2	Laborers.....	9	Falling roof, etc.....	40	Herdien Coal Co.....	2
Dalzell.....	7	Miners.....	69	Flying coal.....	2	Illinois 3d Vein Coal Co.....	4
Galva.....	2	Operator.....	1	Lifting weight.....	1	Kewanee Coal Co.....	4
Giechrist.....	2	Spragger.....	3	Pit cars.....	26	Manuel & Walling Ford.....	1
Kewanee.....	4	Timberman.....	1	Powder explosion.....	2	Marquette 3d Vein C. Co.....	4
Ladd.....	4	Track layer.....	1	Premature blasts.....	1	Pryce & Son.....	1
Marquette.....	1	Trapper.....	1	Transfer.....	1	St. Paul Coal Co.....	10
Roseville.....	9					Spring Valley Coal Co.....	61
Seatonville.....	6					Volunteer Coal Co.....	1
Sherrard.....	45						
Spring Valley.....							
Totals.....	102		102		102		102

Table Showing the Nature of Injuries, Number of Persons Injured, Dependents, Time Lost, with Averages and Percentages—Second District—1908.

NATURE OF INJURIES.	Number.	Married.	Single.	Children.	Dependents.	TIME LOST.		Per cent of Injuries.
						Total days.	Average days.	
Ankles injured.....	10	7	3	21	28	348	43.50	9.80
Arms broken.....	1	1			1	67	67.00	.98
Arms injured.....	3	2	1	5	7	116	38.67	2.94
Backs injured.....	14	11	3	27	38	621	77.63	13.62
Bodies injured.....	4	4		7	11	265	66.25	3.92
Collarbone broken.....	1		1			37	37.00	.98
Eyes injured.....	2		2			119	59.50	1.96
Face burned.....	2		2			55	55.00	1.96
Feet injured.....	17	8	9	16	19	658	43.87	16.60
Fingers amputated.....	1	1		4	5	42	42.00	.98
Fingers injured.....	5	2	3	9	11	245	49.00	4.90
Hands injured.....	8	3	5		3	387	48.37	7.94
Heads injured.....	4	1	3	2	3	301	75.25	3.92
Knee cap broken.....	1		1					.98
Legs broken.....	11	6	5	9	14	715	89.38	10.78
Legs injured.....	8	5	3	13	18	388	48.50	7.94
Ribs broken.....	3	2	1	6	8	139	46.33	2.94
Thumbs injured.....	2	1	1	2	3	156	78.00	1.96
Toes broken.....	3	1	2		1	157	52.33	2.94
Wrist injured.....	2	1	1	2	2	64	32.00	1.96
Totals.....	102	56	46	123	172	4,880	56.09	100.00

Bureau County—Second District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	St. Paul Coal Co. No. 2.....	Cherry.....		203,130	92,052	295,182
2	Spring Valley Coal Co. No. 1.....	Spring Valley..	16,921	208,167	40,884	265,972
3	Illinois 3d Vein Coal Co. No. 1.....	Ladd.....	20,342	174,282	35,192	229,816
4	Spring Valley Coal Co. No. 4.....	Spring Valley..	4,159	172,534	44,797	221,490
5	Spring Valley Coal Co. No. 5.....	do.....	1,202	180,858	34,515	216,575
6	Spring Valley Coal Co. No. 2.....	do.....	10,108	140,373	28,748	179,229
7	Spring Valley Coal Co. No. 3.....	do.....	328	111,354	22,825	134,507
8	Marquette 3d Vein Coal Co. No. 1.....	Marquette.....	6,840	99,253	17,714	123,807
Totals.....			59,900	1,289,951	316,727	1,666,578
LOCAL MINES.						
1	Donahue & Jones.....	Sheffield.....	742	10,562		11,304
2	Nelson & Evans.....	do.....		2,020		2,020
3	L. F. Brandt (slope).....	Mineral.....		1,920	80	2,000
4	James Neave.....	Sheffield.....		1,610	50	1,660
5	L. F. Brandt (shaft).....	Mineral.....		1,440	60	1,500
6	Eugene Martin (Heathcocks).....	Princeton.....		1,310		1,310
7	Thos. Herrington.....	do.....		1,300		1,300
8	C. W. Riley.....	Sheffield.....		756	100	856
Totals.....			742	20,918	290	21,950
Totals—16 mines.....			60,642	1,310,869	317,017	1,688,528

Mines reported for 1907, 18.

Abandoned mines, 2.

Mines in 1908, 16.

Bureau County, Second District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$303,735	260,753	34,429	252	310	115	425	295,182	2	10	12,180	Blasted	Pneu.	1
372,360	243,586	22,386	204	484	170	654	265,972	25	7	12,180	Mined	do.	2
341,852	190,864	38,952	231	400	178	578	229,816	.....	4	.....	do.	do.	3
300,086	208,322	13,168	186	333	164	497	221,490	.....	7	.....	do.	do.	4
293,203	209,818	6,757	184	400	125	525	216,575	.....	1	.....	do.	do.	5
240,920	161,149	18,080	157	473	153	626	179,229	1	8	.....	do.	do.	6
188,308	127,238	7,269	135	428	146	574	134,507	1	11	.....	do.	do.	7
210,470	113,678	10,129	184	316	164	480	123,807	1	4	.....	do.	do.	8
\$2,250,934	1,515,408	151,170	192	3,144	1,215	4,359	1,666,578	6	79	12,180			
\$22,422	11,304	275	21	2	23	11,304	.....	.....	.....	120	Both	.....	1
3,535	2,020	250	4	1	5	2,020	.....	.....	.....	25	do.	.....	2
3,400	2,000	150	8	1	9	2,000	.....	.....	.....	.....	Mined	.....	3
2,843	1,660	208	4	1	5	1,660	.....	.....	.....	.....	do.	.....	4
2,550	1,500	225	4	1	5	1,500	.....	.....	.....	.....	do.	.....	5
2,620	1,310	155	4	1	5	1,310	.....	.....	.....	63	Blasted	W.	6
2,600	1,300	156	4	1	5	1,300	.....	.....	.....	60	do.	do.	7
1,373	856	100	4	1	5	856	.....	.....	.....	.....	Mined	do.	8
\$41,343	21,950	190	53	9	62	21,950	.....	.....	.....	268			
\$2,292,277	1,515,408	173,120	....	3,197	1,224	4,421	1,688,528	6	79	12,448			

Henry County—Second District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Kewanee Coal & Mining Co. No. 2.....	Kewanee.....	33,829	18,916	12,659	65,404
2	Atlas Coal Co. No. 4.....	Galva.....		8,702	1,150	9,852
3	Kewanee Coal & Mining Co. No. 1.....	Kewanee.....	783	4,172	1,748	6,703
Totals.....			34,612	31,790	15,557	81,959
LOCAL MINES.						
1	Herdien Coal Co. No. 16.....	Galva.....		7,805	300	8,105
2	Kewanee Cooperative Coal Co.....	Kewanee.....		6,992	706	7,698
3	Bates Bros.....	do.....		6,922	160	7,082
4	Peoples Fuel Co.....	do.....		4,398	1,884	6,282
5	Emil Ahlgren.....	do.....		5,400		5,400
6	Fairlie Bros. & Co.....	Cambridge.....	500	3,000	1,500	5,000
7	Matt. Atkinson.....	Kewanee.....		2,857		2,857
8	Fred Henry.....	do.....		2,800		2,800
9	E. S. Barlow.....	do.....		2,500	240	2,740
10	North Main Coal Co.....	do.....	610	1,688	48	2,346
11	Jeff. Glenn.....	Colona.....		2,130		2,130
12	Hartman & Bercroft.....	Atkinson.....		1,794	300	2,094
13	D. L. Edwards, McCaffreys.....	Coal Valley.....		2,000		2,000
14	Les. Maleon.....	Kewanee.....		1,600		1,600
15	D. O. Loy.....	Atkinson.....		1,180	240	1,420
16	Max. Groy.....	Kewanee.....		1,200		1,200
17	Ralph Todd & Sons.....	do.....		1,125		1,125
18	John Kincaid.....	Colona.....		700		700
19	Tharp & Groy.....	Kewanee.....		500		500
20	R. E. Maleon.....	do.....		460		460
21	H. C. Finch.....	do.....		440		440
22	James Kemerling.....	do.....		400		400
23	Robert Kay.....	Briar Bluff.....		400		400
24	Joseph Carter.....	Kewanee.....		280		280
25	Wm. Lamb.....	do.....		228		228
26	G. W. Mahler.....	do.....		120	40	160
27	John Summerson, Blossomburg.....	Coal Valley.....		76		76
Totals.....			1,110	58,995	5,418	65,523
Totals—30 mines.....			35,722	90,785	20,975	147,482

Mines reported for 1907, 34.

New mines, 3.

Abandoned mines, 7.

Mines in 1908, 30.

Henry County—Second District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hands.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Injured.	Killed.				
\$86,182	64,089	1,315	205	97	22	119	65,404	.....	4	2,414	Both...	Pneu.	1
16,000	3,152	6,700	200	22	5	27	9,852	.....	.....	.....	Mined..	W...	2
8,260	5,126	1,577	91	15	7	22	6,703	.....	.....	223	Both...	do..	3
\$110,442	72,367	9,592	203	134	34	168	81,959	.....	4	2,637			
\$16,541	8,105	200	18	3	21	8,105	.....	2	.....	Mined..	W...	1
16,085	7,698	208	18	2	20	7,698	.....	.....	.....	do...	do..	2
15,655	7,082	225	14	2	16	7,082	.....	.....	.....	do...	do..	3
11,622	6,282	176	10	2	12	6,282	.....	.....	.....	do...	do..	4
8,100	5,400	200	10	3	13	5,400	.....	.....	.....	do...	do..	5
10,435	5,000	260	9	2	11	5,000	.....	.....	220	Blasted	do..	6
6,428	2,857	225	8	1	9	2,857	.....	.....	.....	Mined..	do..	7
5,950	2,800	200	9	1	10	2,800	.....	.....	.....	do...	W...	8
5,795	2,740	275	7	2	9	2,740	.....	.....	.....	do...	do..	9
3,717	2,346	200	8	1	9	2,346	.....	.....	.....	do...	do..	10
4,793	2,130	145	6	1	7	2,130	.....	.....	106	Blasted	do..	11
4,710	2,094	175	6	1	7	2,094	.....	.....	.....	Mined..	do..	12
3,500	2,000	120	5	1	6	2,000	.....	.....	120	Blasted	do..	13
3,200	1,600	120	8	1	9	1,600	.....	.....	.....	Mined..	do..	14
3,130	1,420	160	6	1	7	1,420	.....	.....	.....	do...	do..	15
2,400	1,200	150	4	1	5	1,200	.....	.....	.....	do...	W...	16
2,531	1,125	145	4	1	5	1,125	.....	.....	.....	do...	do..	17
1,400	700	100	3	.....	3	700	.....	.....	50	Blasted	do..	18
1,125	500	65	3	.....	3	500	.....	.....	.....	Mined..	do..	19
1,035	460	125	3	1	4	460	.....	.....	.....	do...	do..	20
880	440	100	3	.....	3	440	.....	.....	.....	do...	do..	21
900	400	100	2	.....	2	400	.....	.....	.....	do...	do..	22
800	400	100	2	.....	2	400	.....	.....	.....	do...	do..	23
630	250	120	2	.....	2	250	.....	.....	.....	do...	do..	24
456	228	100	2	.....	2	228	.....	.....	.....	do...	do..	25
300	160	100	1	.....	1	160	.....	.....	.....	do...	do..	26
133	76	20	1	.....	1	76	.....	.....	2	Blasted	do..	27
\$132,251	65,523	152	172	28	200	65,523	.....	2	498				
\$242,693	72,367	75,115	.....	306	35	368	147,482	.....	6	3,135			

Knox County—Second District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	Thos. H. Milan.....	Soperville.....	5,850	150	6,000	
2	Galva Coal Co.....	Wataga.....	4,474	160	4,634	
3	Rodell & Mitchell.....	do.....	4,308	200	4,508	
4	Pendergast Bros.....	Galesburg.....	3,950	140	4,090	
5	Bowman Bros.....	Yates City.....	2,484	976	3,460	
6	Jesse Hillier.....	Rapatee.....	1,920		1,920	
7	Matson Bros.....	Victoria.....	1,600		1,600	
8	Ben. Thorne.....	Etherley.....	1,428		1,428	
9	Geo. Clifford & Son.....	Altona.....	1,400		1,400	
10	S. G. McGovern.....	Oneida.....	900	500	1,400	
11	Louis Nodene & Son.....	Wataga.....	1,300		1,300	
12	Aaron Teel.....	Oneida.....	1,200		1,200	
13	A. J. Nelson.....	Knoxville.....	1,160		1,160	
14	Gus. Simpson & Bros.....	Oneida.....	1,102		1,102	
15	Chas. Gladfelter & Co.....	Victoria.....	956		956	
16	D. I. Foster.....	Rapatee.....	840		840	
17	P. A. Lindsay.....	Middle Grove.....	800		800	
18	Albert Walberg.....	Knoxville.....	750		750	
19	Chas. Quanstrom.....	Victoria.....	684		684	
20	John Myers.....	Etherley.....	450		450	
21	Frank Brown.....	Knoxville.....	420		420	
22	Wm. Corson.....	Abingdon.....	400		400	
23	L. V. Pointer.....	do.....	400		400	
24	Arthur Sloan.....	Etherley.....	372		372	
25	Wm. Stuckey.....	Abingdon.....	360		360	
26	A. C. Knapp.....	Victoria.....	300		300	
27	Chas. Morgan & Sons.....	Oneida.....	280		280	
28	Louis Larson.....	Victoria.....	264		264	
29	N. C. Anderson.....	Knoxville.....	264		264	
30	John Todd.....	Victoria.....	240		240	
31	Ed. Peterson.....	Etherley.....	200		200	
32	Frank Quinn.....	Abingdon.....	200		200	
33	John Gordon.....	do.....	160		160	
34	*Mack Burnett.....	do.....	140		140	
35	C. E. Smith.....	do.....	120		120	
36	Wm. Nelson.....	Victoria.....	100		100	
37	Sam. Nelson.....	Abingdon.....	80		80	
38	Frank Buffington.....	Middle Grove.....	68		68	
39	Ben. Morgan.....	Wataga.....	20		20	
Totals.....			41,944	2,126	44,070	

Mines reported for 1907, 42.

New mines, 6.

Abandoned mines, 9.

Mines in 1908, 39.

*Economy.

Knox County—Second District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		EMPLOYES.				Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.	Days of active operation.	Average number of miners.	All other employes.	Total.		Injured.	Killed.				
\$10,313		6,000	200	12	3	15	6,000			320	Blasted	W...	1
7,910		4,634	240	12	3	15	4,634				Mined	do.	2
7,639		4,508	250	8	3	10	4,508				do.	do.	3
6,983		4,090	160	10	3	13	4,090			230	Blasted	do.	4
5,323		3,460	200	6	2	8	3,460			173	do.	do.	5
2,880		1,920	250	4		4	1,920			85	do.	do.	6
2,400		1,600	200	5	1	6	1,600				Mined	do.	7
2,142		1,428	180	4		4	1,428				do.	do.	8
2,800		1,400	150	4	1	5	1,400				do.	do.	9
1,825		1,400	200	4	1	5	1,400				do.	do.	10
2,275		1,300	190	5	1	6	1,300				do.	do.	11
1,800		1,200	200	4	1	5	1,200				do.	do.	12
2,320		1,160	200	4	1	5	1,160				do.	do.	13
1,929		1,102	140	3		3	1,102				do.	do.	14
1,434		956	150	3		3	956				do.	do.	15
1,210		840	217	2		2	840			45	Blasted	do.	16
1,200		800	100	3		3	800			42	do.	do.	17
1,500		750	180	4	1	5	750				Mined	do.	18
1,197		684	100	3	1	4	684				do.	do.	19
675		450	75	3		3	450				do.	do.	20
810		420	120	2		2	420				do.	do.	21
900		400	125	6		6	400				do.	do.	22
900		400	100	4		4	400				do.	do.	23
558		372	175	1		1	372				do.	do.	24
810		360	75	6		6	360				do.	do.	25
450		300	80	2		2	300				do.	do.	26
490		280	80	2		2	280				do.	do.	27
396		264	75	2		2	264				do.	do.	28
492		264	100	3		3	264				do.	do.	29
480		240	75	2		2	240				do.	do.	30
300		200	75	2		2	200				do.	do.	31
450		200	120	3		3	200				do.	do.	32
360		160	120	3		3	160				do.	do.	33
315		140	80	2		2	140				do.	do.	34
270		120	90	2		2	120				do.	do.	35
150		100	60	2		2	100				do.	do.	36
180		80	60	3		3	80				do.	do.	37
102		68	40	1		1	68			5	Blasted	do.	38
35		20	40	1		1	20				Mined	do.	39
\$64,203	44,070		135	153	21	174	44,070			900			

Mercer County—Second District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Coal Valley Mining Co. No. 2.....	Sherrard.....	18,622	55,302	143,356	217,280
2	Empire Coal Co. No. 3.....	Gilchrist.....	16,170	63,023	68,210	147,403
3	Coal Valley Mining Co. No. 1.....	Cable.....	10,889	13,107	5,674	29,670
Totals.....			45,681	131,432	217,240	394,353
LOCAL MINES.						
1	Wm. H. Riddell.....	Aledo.....		4,000	240	4,240
2	Docherty Bros.....	Pre-emption.....		3,600	250	3,850
3	Huffman & Hayburn.....	do.....		3,400	150	3,550
4	Arthur Jones.....	Viola.....		3,200	109	3,309
5	J. B. Martin.....	Aledo.....		2,600	16	2,616
6	G. W. Martin.....	Viola.....	320	2,000		2,320
7	S. J. Young.....	New Windsor.....	840	200		1,040
8	B. B. Peterson.....	Cable.....		700	300	1,000
9	W. P. Williams.....	Aledo.....		960		960
10	B. T. Miller.....	Viola.....		800		800
11	Essley Bros.....	Aledo.....		720		720
12	M. A. Beers.....	Cable.....		420	120	540
13	Northwestern Clay Mfg. Co.....	New Windsor.....	75			75
14	Millersburg Coal Co.....	Millersburg.....		75		75
Totals.....			1,235	22,675	1,185	25,095
Totals—17 mines.....			46,916	154,107	218,425	419,448

Mines reported for 1907, 18.

New mines, 2.

Abandoned mines, 3.

Mines in 1908, 17.

Mercer County—Second District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employés.	Total.		Killed.	Injured.				
\$325,920	204,700	12,580	251	162	129	291	217,280	.....	9	10,986	Blasted	E.....	1
184,254	144,089	3,314	218	144	96	240	147,403	.....	2	9,228	do....	W.....	2
29,670	25,487	4,183	200	31	23	54	29,670	.....	3	1,192	do....	E.....	3
\$539,844	374,276	20,077	223	337	248	585	394,353	.....	14	21,406			
7,120	.....	4,240	230	6	1	7	4,240	.....	.....	210	Blasted	W....	1
6,325	.....	3,850	140	10	2	12	3,850	.....	.....	185	do....	do....	2
5,250	.....	3,550	150	6	1	7	3,550	.....	.....	200	do....	do....	3
5,682	.....	3,309	150	8	1	9	3,309	.....	.....	150	do....	do....	4
4,558	.....	2,616	175	5	1	6	2,616	.....	.....	130	do....	do....	5
3,400	.....	2,320	250	5	1	6	2,320	.....	.....	120	do....	do....	6
1,870	.....	1,040	200	4	1	5	1,040	.....	.....	60	do....	do....	7
1,725	.....	1,000	120	.....	1	3	1,000	.....	.....	15	do....	W....	8
1,680	.....	960	108	.....	.....	3	960	.....	.....	48	do....	do....	9
1,600	.....	800	200	.....	.....	2	800	.....	.....	75	do....	do....	10
1,080	.....	720	102	.....	.....	3	720	.....	.....	10	do....	do....	11
1,035	.....	540	150	.....	.....	2	540	.....	.....	30	do....	do....	12
150	.....	75	40	.....	.....	2	75	.....	.....	3	do....	do....	13
150	.....	75	50	.....	.....	2	75	.....	.....	.....	Mined..	do....	14
\$41,625	.....	25,095	148	60	9	69	25,095	.....	.....	1,241			
\$581,409	374,276	45,172	.....	397	257	654	419,448	.....	14	22,647			

Rock Island County—Second District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Volunteer Coal Co. No. 1.....	Coal Valley.....	.....	12,681	1,580	14,261
LOCAL MINES.						
1	J. J. Pryce & Son.....	Coal Valley.....	.....	17,958	8,978	26,936
2	Stoddard & Summerson.....	do.....	.....	5,600	400	6,000
3	Stoebr & Schadt.....	Carbon Cliff.....	.....	3,000	1,267	4,267
4	Sackville Bros.....	Coal Valley.....	.....	2,360	800	3,160
5	Axel E. Link.....	Sunny Hill.....	.....	1,600	340	1,940
6	M. W. Posten & Son.....	Coal Valley.....	.....	1,396	234	1,630
7	Thos. Stone & Bro.....	Moline.....	.....	1,280	.....	1,280
8	Chas. A. Loding.....	do.....	.....	800	200	1,000
9	John A. Hynd.....	do.....	.....	840	120	960
10	Jamieson & Irvin.....	do.....	.....	480	60	540
11	Chas. Rosemond.....	Carbon Cliff.....	.....	450	80	530
12	Guckert Bros.....	Hampton.....	175	142	.....	317
13	Merritt Hunter.....	Moline.....	.....	140	.....	140
Totals.....			175	36,046	12,479	48,700
Totals—14 mines.....			175	48,727	14,059	62,961

Mines reported for 1907, 12.

New mines, 3.

Abandoned mines, 1.

Mines in 1908, 14.

Rock Island County—Second District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYEES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employ'cs.	Total.		Killed.	Injured.				
\$16,000	12,051	2,210	209	16	6	22	14,261	.....	1	800	Blasted	W....	1
\$38,160	26,936	185	27	9	36	26,936	.....	1	999	Blasted	W....	1
11,400	6,000	160	10	4	14	6,000	.....	.....	200	..do...	..do..	2
6,034	4,267	240	10	4	14	4,267	.....	.....	273	..do...	..do..	3
4,693	3,160	150	5	2	7	3,160	.....	.....	150	..do...	..do..	4
3,370	1,940	125	4	1	5	1,940	.....	.....	98	..do...	..do..	5
2,909	1,630	215	4	2	6	1,630	.....	.....	100	..do...	W....	6
2,560	1,280	192	2	1	3	1,280	.....	.....	25	..do...	..do..	7
1,700	1,000	200	3	1	4	1,000	.....	.....	30	..do...	..do..	8
1,740	960	150	3	1	4	960	.....	.....	20	..do...	W....	9
990	540	100	3	1	4	540	.....	.....	40	..do...	..do..	10
940	530	100	3	1	4	530	.....	.....	.....	Mined..	..do..	11
590	317	75	2	.....	2	317	.....	.....	3	Both..	..do..	12
280	140	40	2	.....	2	140	.....	.....	.....	Mined..	..do..	13
\$75,366	48,700	149	78	27	105	48,700	.....	1	1,938			
\$91,366	12,051	50,910	....	94	33	127	62,961	.....	2	2,738			

Warren County—Second District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	H. J. Rohr.....	Alexis.....		2,400	400	2,800
2	F. R. Kennedy.....	Monmouth.....		2,030		2,030
3	Simcox Bros.....	Alexis.....		1,940	40	1,980
4	Bryner & Hall.....	Roseville.....		1,200		1,200
5	Thos. Caldwell.....	Avon.....		654		654
6	Willis Clayton.....	Avon.....		630		630
7	J. C. Clark.....	Monmouth.....		440		440
8	J. G. Lee.....	Youngstown.....		384		384
9	Wm. D. Ruhl.....	Avon.....		360		360
10	Manuel & Wallingford.....	Roseville.....		328		328
11	A. J. Hartford.....	Youngstown.....		240		240
12	D. L. Howard.....	Monmouth.....		180		180
13	Joseph Simpson.....	Swan Creek.....		80		80
14	A. W. Palmer.....	Monmouth.....		80		80
15	Tracy & Miller.....	Roseville.....		60		60
Totals.....				11,006	440	11,446

Mines reported for 1907, 15.

New mines, 4.

Abandoned, 4.

Mines in 1908, 15.

Warren County—Second District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employées.	Total.		Killed.	Injured.				
\$4,448		2,800	180	5	1	6	2,800			147	Blasted	W	1
5,075		2,030	200	9	12	10	2,030				Mined	do	2
3,415		1,980	205	4	1	5	1,980			120	Blasted	do	3
3,300		1,200	220	5	1	6	1,200				Mined	do	4
1,635		654	120	4		4	654				do	do	5
1,575		630	120	5		5	630				do	do	6
1,100		440	100	3	1	4	440				do	do	7
960		384	122	2		2	384				do	do	8
900		360	100	3		3	360				do	do	9
820		328	100	3		3	328		1		do	do	10
600		240	100	2		2	240				do	do	11
405		180	100	2		2	180				do	do	12
200		80	90	1		1	80				do	do	13
160		80	50	2	1	3	80				do	do	14
150		60	40	2		2	60				do	do	15
\$24,743		11,446	123	51	7	58	11,446		1	267			

Shipping Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Bureau.....	8	59,900	1,289,951	.....	.....	316,727	.....	1,666,578	\$1.356
Henry.....	3	34,612	31,790	.....	389	14,102	1,066	81,959	1.348
Mercer.....	3	45,681	131,432	100,536	1,442	47,972	67,290	394,353	1.369
Rock Island.....	1	.....	12,681	.....	.....	1,580	.....	14,261	1.522
Total.....	15	140,193	1,465,854	100,536	1,831	380,381	68,356	2,157,151	\$1.352

Local Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Bureau.....	8	742	20,918	.....	.....	290	.....	21,950	\$1.884
Henry.....	27	1,110	58,995	.....	.....	5,378	40	65,523	2.018
Knox.....	39	.....	41,944	.....	.....	2,126	.....	44,070	1.457
Mercer.....	14	1,235	22,675	.....	.....	1,185	.....	25,095	1.659
Rock Island.....	13	175	36,046	.....	.....	12,479	.....	48,700	1.548
Warren.....	15	.....	11,006	.....	.....	440	.....	11,446	2.162
Total.....	116	3,262	191,584	.....	.....	21,898	40	216,784	\$1.75
Grand total.....	131	143,455	1,657,438	100,536	1,831	402,279	68,396	2,373,935	.....

Whole number of mines reported in 1907, 139.
 Number of new mines opened during the year, 18.
 Number of mines abandoned during the year, 26.
 Whole number of mines reported for 1908, 131.

Counties—Second District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.						Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.	From solid—Tons.			Undercut—Tons.	Both methods—Tons.	
			Miners.	Others.	Boys.								
1,515,408	151,170	192	3,144	765	140	310	4,359	1,666,578	12,180	295,182	.....	.....
72,367	9,592	203	134	21	....	13	168	81,959	2,637	.....	.....	72,107
374,276	20,077	223	337	185	4	59	585	394,353	21,406	394,353	.....	.....
12,051	2,210	209	16	4	....	2	22	14,261	800	14,261	.....	.....
1,974,102	183,049	201	3,631	975	144	384	5,134	2,157,151	37,023	703,796	.....	72,107

Counties—Second District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.					Tons mined—By hand.	Powder—Blasting.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.			From solid—Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.							
.....	21,950	190	53	1	....	8	62	21,950	268	2,610	.....	13,324
.....	65,523	152	172	6	....	22	200	65,523	498	9,906	.....	.....
.....	44,070	135	153	5	....	16	174	44,070	900	17,178	.....	.....
.....	25,095	148	60	1	....	8	69	25,095	1,241	25,020	.....	.....
.....	48,700	149	78	12	....	15	105	48,700	1,938	47,713	.....	317
.....	11,446	123	51	.....	....	7	58	11,446	267	4,780	.....	.....
.....	216,784	144	567	25	....	76	668	216,784	5,112	107,207	.....	13,641
1,974,102	399,833	....	4,198	1,000	144	460	5,802	2,373,935	42,135	811,003	.....	85,748

THIRD INSPECTION DISTRICT--1908.

THIRD ANNUAL REPORT.

Counties: Livingston, Marshall, Peoria, Putnam, Stark, Woodford.

JOHN DUNLOP, *Inspector*, Peoria, Illinois.

Hon. David Ross, Secretary State Bureau of Labor Statistics, Springfield, Ill.

SIR—I have the honor to submit the third annual report of the coal mines in the third inspection district, comprising the coal producing counties of Livingston, Marshall, Peoria, Putnam, Stark and Woodford.

On account of filling out the unexpired term of James Taylor, who resigned during the year, I am unable to give a full and detailed mention of the changes, improvements and other matters that have occurred as would have been done had I been more familiar with the operating of the mines in the district.

The tabular information contained in this report gives all of the particulars in regard to the number of miners and other employés, underground and on the surface, engaged in the coal mining industry; also the output of the mines and the distribution of the product.

The following summary for the district is presented for the year ending June 30, 1908:

Number of shipping mines.....	26
Number of mines in local trade only	77
Total number of mines.....	103
Number of miners employed.....	3,045
Number of other employés underground.....	628
Number of boys underground	93
Number of employés above ground.....	359
Total number of employés	4,125
Number of kegs of powder consumed.....	68,427
Tons of lump coal produced	1,123,546
Tons of all other grades combined.....	1,274,218
Total tons produced	2,370,764
Aggregate value of the total product.....	\$3,244,564
Number of fatal accidents	7
Number of non-fatal accidents	45
Number of employés to each fatal accident.....	589
Number of employés to each non-fatal accident.....	92
Tons of coal to each fatal accident.....	338,681
Tons of coal to each non-fatal accident.....	52,684
Tons of coal to each miner employed.....	775
Ratio of fatal accidents per 1,000 persons employed.....	1.7

COMPARATIVE TABLE.

The product in tons of the coal producing counties in the third district for the years ending June 30, 1907 and 1908, is shown in the following table:

COUNTIES.	TOTAL PRODUCT OF ALL GRADES OF COAL IN TONS.		Increase.	Decrease.
	1907	1908		
Livingston.....	269,811	302,342	32,531	.....
Marshall.....	471,725	423,029	.....	48,696
Peoria.....	1,027,123	1,054,673	27,550	.....
Putnam.....	268,710	403,136	134,426	.....
Stark.....	25,480	24,444	.....	1,036
Woodford.....	150,743	163,140	12,397	.....
Totals.....	2,213,592	2,370,764	206,904	49,732
Net increase.....	.....	.....	157,172	.....

The counties of Livingston, Peoria, Putnam and Woodford show an increase of 206,904 tons over last year. Marshall and Stark show a decrease of 49,732 tons, leaving a net increase of 157,172 tons for the district.

FATAL ACCIDENTS.

July 24, 1907, Gateus Kastillic, aged 46 years, married, top laborer, was killed at the Devlin Coal Company's mine, located at Toluca, Marshall county. Deceased was riding between two railroad cars and in some manner fell from the cars, the latter car running over him, causing his death. He leaves a widow and four children.

Sept. 6, 1907, Albert Gillot, gripper, aged 19 years, single, was fatally injured in the Reed City mine, Peoria county, operated by Newsam Bros. Deceased was riding on a trip of empty cars and jumped out of the car and stepped onto the loaded track; part of a loaded trip had broken loose, and, owing to the roadway having a downward grade towards the working face at this particular place, the cars ran back, knocking him down, injuring him so that it caused his death.

Sept. 17, 1907, Edward Hasty, driver, aged 24 years, married, was killed by falling rock in the Empire mine No. 2, operated by Clark Coal and Coke Company, Peoria, Peoria county. He leaves a widow.

Feb. 27, 1908, Charles White, driver, aged 19 years, single, was killed in the Cardiff Coal Company's mine No. 2, Cardiff, Livingston county. Deceased was riding on front of car, and, for some reason unknown, fell in front of the car, the mule pulling the car over him. When found by a boy who was trapping at a door not far distant, he was dead; therefore, no particulars can be given as to just how the accident happened.

I was not in the inspection service when the other accidents occurred, and can only report as to how they happened by the reports sent to me.

Following are the tables for each county in the third inspection district.

Respectfully submitted,

JOHN DUNLOP,

State Inspector of Mines, Third District, Peoria, Ill.

Fatal Casualties—Third District—July 1, 1908.

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	Widows.	Children. Single.	Persons dependent.	Cause of Accident
1907									
July 24	Gaterio Kastellie.....	46	Laborer.....	Toluca.....	1	1	4	5	Railroad car.....
Sept. 6	Albert Gillott.....	19	Gripper.....	Walcott.....	1	1	1	1	Pit car.....
6	Geo. Cosgrove.....	25	Laborer.....	Granville.....	1	1	1	1	Car unloader.....
13	S. Thairant.....	19	Driver.....	Toluca.....	1	1	1	1	Pit car.....
17	Edward Hasty.....	24	do.....	Peoria.....	1	1	1	1	Falling rock.....
1908									
Jan. 31	Joseph Markel.....	22	do.....	Granville.....	1	1	1	1	Pit car.....
Feb. 27	Chas. White.....	19	do.....	Cardiff.....	1	1	1	1	do.....
	Total—7.....				2	5	2	4	6

Recapitulation of Fatal Accidents—Third District—1908.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Cardiff.....	1	Driver.....	4	Falling rock.....	1	B. F. Berry Coal Co.....	2
Granville.....	2	Gripper.....	1	Machinery.....	1	Cardiff Coal Co.....	1
Peoria.....	1	Laborer.....	2	Pit cars.....	4	Clarke Coal Co.....	1
Toluca.....	2			Railroad cars.....	1	Devlin Coal Co.....	2
Walcott.....	1					Newsam Bros.....	1
Totals.....	7		7		7		7

Non-Fatal Casualties—Third District—July 1, 1908.

Date.	Name.	Age.	Residence (Town.)	Married.	Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1907									
July.	6 John McCollegae.....	19	Wenona.....	1	1			Leg injured, wheel and rope....	127
	9 A. Costelli.....	26	Mark.....	1				1 Ribs broken, pit car.....	42
	20 Peter Pental.....	38	do.....	1		2		3 Arms injured, falling coal.....	63
Aug	3 Frank Paten.....	20	Cardiff.....	1	1			Foot crushed, pit car.....	30
	9 John Babis.....	39	Wenona.....	1		3		4 Hand injured, falling rock.....	30
	12 John Masserello.....	32	Granville.....	1				Leg broken, falling coal.....	120
	31 Sam Belt.....	32	Cardiff.....	1		1		2 Foot injured, pit car.....	52
Sept	4 Jas. Veue Namocki.....	38	Wenona.....	1		5		6 Head and back, injured, falling rock.....	40
	19 Ross McMann.....	20	Kingston.....	1				1 Thigh broken, falling rock.....	80
	21 W. F. Arnold.....	50	Toloca.....	1		1		2 Leg unjured, falling coal.....	30
	23 Joe McDole.....	44	Cardiff.....	1		6		7 Back injured, falling coal.....	30
	24 B. Santagrossi.....	32	Toloca.....	1		2		3 Ribs broken, squeezed by mule.....	90
	26 Remigeo Rasfoui.....	17	do.....	1				Leg broken, falling coal.....	90
Oct.	3 Funk Babiah.....	20	Cardiff.....	1				Foot crushed, pit car.....	52
	4 Eronski Capello.....	22	Mark.....	1				Ankle injured, falling coal.....	44
	16 Tom Yacco.....	52	Roanoke.....	1				Foot crushed, falling coal.....	50
Nov.	3 Alfonso Peganilli.....	30	Cardiff.....	1				Abdomen injured, falling coal.....	51
	6 Thos. Cochran.....	30	Peoria.....	1				1 Back and hip injured, pit car.....	35
	11 Costelli Sabbatius.....	18	Cardiff.....	1	1			Back injured, falling rock.....	33
	22 Jas. Sano.....	44	do.....	1		1		2 Feet injured, falling rock.....	35
	27 Ed. Hemrick.....	43	Granville.....	1		5		6 Legs broken, falling coal.....	185
	30 Richard Reed, Sr.....	54	Kingston.....	1		4		5 Arm broken, windlass handle.....	90
Dec.	13 H. Rand.....	33	Peoria.....	1		2		3 Arm broken, falling coal.....	30
	17 Harry Parks.....	26	Cardiff.....	1		1		2 Foot crushed, pit car.....	56
	23 Barney Vimerezo.....	26	do.....	1				Arm injured, falling coal.....	40
1908									
Jan.	4 Joseph Otteno.....	55	Toloca.....	1		1		2 Collar bone broken, falling coal.....	180
	9 Jos. Matskeetz.....	32	Mark.....	1				Ankle bruised, falling rock.....	30
	14 John Bowers.....	25	do.....	1		1		2 Toe mashed, movable reel.....	69
	15 John Bema.....	28	Cardiff.....	1				Body bruised, falling rock.....	90
	23 August Schroeder.....	56	do.....	1		1		2 Back injured, falling coal.....	49
Feb.	11 Adolph Pomatto.....	34	Mark.....	1		2		3 Leg injured, pit car.....	120
	11 Baxtecto Guzlechiro.....	35	Granville.....	1		2		3 Back bruised, falling rock.....	30
	13 John Bima.....	40	Mark.....	1		4		5 Ankle injured, falling coal.....	42
	25 Joseph Bima.....	23	Cardiff.....	1				Head and body injured, falling coal.....	32
Mar.	6 Alex. Topero.....	24	do.....	1				Leg broken, pit car.....	93
	10 Steve Davitt.....	32	do.....	1				Leg injured, falling coal.....	39
	11 Mike Oberto.....	36	Granville.....	1		4		5 Back injured, falling coal.....	40
	20 Joe Mascatine.....	39	do.....	1		6		7 Leg broken.....	*
	23 Joe Fervero.....	22	Roanoke.....	1				Back injured, pit car.....	70
	28 Peter Verzera.....	27	Granville.....	1				Ankle injured, falling rock.....	75
Apr.	9 H. Price.....	32	Peoria.....	1				Hips and back injured, falling coal.....	46
May.	25 Jos. Bugdoms.....	37	Mark.....	1				1 Leg broken, falling coal.....	90
June.	6 George Bailey.....	24	Kingston.....	1				Back injured, pit car.....	49
	17 Joe Lartie.....	35	Granville.....	1		1		2 Hand injured, blow from ham'r.....	40
	20 Joe Barra.....	28	Roanoke.....	1				Foot injured, falling coal.....	—
	Totals.....			22	19	55	80		

*Not recovered July 1, 1908.

Total number of men injured.....	45
Not recovered July 1, 1908.....	1
Number of men recovered July 1, 1908.....	44
Time lost by men recovered, days.....	2,750
Average time lost by men recovered, days.....	62.5

Recapitulation of Non-Fatal Casualties—Third District—1908.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Cardiff.....	14	Cagers.....	1	Falling clod.....	2	Berry Coal Co.....	6
Granville.....	7	Drivers.....	8	Falling coal.....	18	Cardiff Coal Co.....	14
Kingston.....	3	Grippers.....	1	Falling rock.....	9	Clarke Coal Co.....	3
Mark.....	8	Laborers.....	3	Hammer.....	1	Devlin Coal Co.....	4
Peoria.....	3	Miners.....	30	Handle—windlass....	1	Newsam Bros.....	3
Roanoke.....	3	Timbermen.....	2	Pit cars.....	10	Roanoke Coal Co.....	2
Toluca.....	4			Reel.....	1	St. Paul Coal Co.....	9
Winona.....	3			Squeezed by mule.....	1	Wenona Coal Co.....	3
				Wheel and rope.....	1		
				Not stated.....	1		
Totals.....	45		45		45		45

Recapitulation of Non-Fatal Casualties, Nature of Injuries, Conjugal Relations and Time Lost—Third District—June 30, 1908.

NATURE OF INJURIES.	Number.	Married.	Single.	Children.	Dependents.	TIME LOST—DAYS.		Percent- age of Injuries.
						Total.	Average.	
Abdomen injured.....	1	.....	1	.....	.....	51	51.00	2.22
Ankles bruised.....	4	1	3	4	5	191	47.75	8.89
Arms broken.....	1	1	.....	4	5	90	90.00	2.22
Arms injured.....	3	2	1	4	6	133	44.33	6.67
Back and hips injured.....	2	1	1	.....	1	75	37.50	4.44
Backs injured.....	7	4	3	13	17	301	42.87	15.56
Body bruised.....	1	.....	1	.....	.....	90	90.00	2.22
Collarbone broken.....	1	1	.....	1	2	180	180.00	2.22
Feet crushed.....	4	1	3	1	2	188	47.00	8.89
Feet injured.....	3	2	1	2	4	127	42.33	6.67
Hand bruised.....	2	2	.....	4	6	77	38.50	4.44
Head and back injured.....	1	1	.....	5	6	40	40.00	2.22
Head and body injured.....	1	.....	1	.....	.....	32	32.00	2.22
Legs broken.....	6	4	2	11	14	578	115.60	13.34
Legs bruised.....	4	2	2	3	5	316	79.00	8.89
Ribs broken.....	2	2	.....	2	4	132	66.00	4.44
Thigh broken, back bruised.....	1	1	.....	.....	1	80	80.00	2.22
Toe mashed.....	1	1	.....	1	2	69	69.00	2.22
Totals.....	45	26	19	55	80	2,750	62.50	100.00

Livingston County—Third District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Cardiff Coal Co. No. 2.....	Cardiff.....	93,524	62,906	60,351	216,781
2	Fairbury West End Coal Co. No. 2.....	Fairbury.....	16,904	800	4,850	22,554
Totals.....			110,428	63,706	65,201	239,335
LOCAL MINES.						
1	Brady Coal Co.....	Pontiac.....	12,516	7,000	5,516	25,032
2	Streator Clay Mfg. Co.....	Streator.....		12,000		12,000
3	Munts Bros.....	do.....	1,113	6,465	3,303	10,881
4	Coöperative Coal Co.....	Fairbury.....	1,437	3,446	4,791	9,674
5	Massey Bros.....	Streator.....	3,500	40		3,540
6	Streator Aqueduct Co.....	do.....	1,880			1,880
Totals.....			20,446	28,951	13,610	63,007
Totals—8 mines.....			130,874	92,657	78,811	302,342

Mines reported for 1907, 9.

Abandoned mines, 1.

Mines in 1908, 8.

Livingston County—Third District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$284,779	209,737	7,044	214	220	92	312	216,781	1	14	1,800	Solid...	E....	1
27,600	10,364	12,187	298	25	17	42	22,554	.....	.....	1,192	..do...	..do..	2
\$312,379	220,104	19,231	258	245	109	354	239,335	1	14	2,992			
\$52,312	.....	25,032	214	26	4	30	25,032	.....	.....	1,200	Solid...	W....	1
18,000	.....	12,000	293	12	2	14	12,000	.....	.....	600	..do...	..do..	2
16,528	.....	10,881	150	26	2	28	10,881	.....	.....	180	..do...	..do..	3
15,072	.....	9,674	200	10	1	11	9,674	.....	.....	656	..do...	..do..	4
5,600	.....	3,540	200	10	1	11	3,540	.....	.....	150	..do...	..do..	5
2,820	.....	1,880	268	4	1	5	1,880	.....	.....	13	..do...	..do..	6
\$110,332	.....	63,007	221	88	11	99	63,007	.....	.....	2,799			
\$422,711	220,104	82,238	....	333	120	453	302,342	1	14	5,791			

Marshall County—Third District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Devlin Coal Co. No. 1.....	Toluca.....	117,765	126,056	41,018	284,839
2	Wenona Coal Co. No. 1.....	Wenona.....	72,30	31,872	104,176	
3	Fulton County Coal Co. No. 2.	Sparland.....	11,657	2,058	13,715	
Totals.....			117,765	210,017	74,948	402,730
LOCAL MINES.						
1	Lacon Coal Co.....	Sparland.....	6,802	3,309	2,231	12,342
2	Ban Coal, Light & Power Co.	do.....	3,837			3,837
3	Robert H. Ingram.....	do.....	1,200			1,200
4	W. E. Frisby.....	do.....	1,200			1,200
5	W. L. Harr & Webber.....	do.....	1,120			1,120
6	Jacob Webber.....	do.....	400			400
7	Emory Passent.....	do.....	200			200
Totals.....			14,759	3,309	2,231	20,299
Totals—10 mines.....			132,524	213,326	77,179	423,029

Mines reported for 1907, 13.

New mines, 1.

Abandoned mines, 4.

Mines in 1908, 10.

Marshall County—Third District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$425,232	221,326	63,513	246	487	140	627	284,839	2	4			E	1
180,196	91,365	12,811	243	160	75	235	104,176		3			W	2
23,315	8,466	5,249	243	35	10	45	13,715						3
<u>\$628,743</u>	<u>321,157</u>	<u>81,573</u>	<u>244</u>	<u>682</u>	<u>225</u>	<u>907</u>	<u>402,730</u>	<u>2</u>	<u>7</u>	<u></u>			
\$16,428		12,342	243	20	4	24	12,342			591			1
5,179		3,837	200	10	2	12	3,837			210			2
2,100		1,200	150	5	1	6	1,200			60			3
2,100		1,200	150	5	1	6	1,200			60			4
1,960		1,120	150	2		2	1,120			50			5
700		400	100	2		2	400			20			6
350		200	50	2		2	200			10			7
<u>\$28,817</u>	<u></u>	<u>20,299</u>	<u>149</u>	<u>46</u>	<u>8</u>	<u>54</u>	<u>20,299</u>	<u></u>	<u></u>	<u>1,001</u>			
\$657,560	321,157	101,872	.....	728	233	961	423,029	2	7	1,001			

Peoria County—Third District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Clarke Coal & Coke Co., Empire No. 1.....	Peoria.....		94,608	94,607	189,215
2	Clarke Coal & Coke Co., Empire No. 2.....	do.....		88,348	88,349	176,697
3	Wolschlag Cooperative Coal Co.....	do.....	89,323			89,323
4	Sholl Bros. No. 3.....	do.....	55,300	18,041	10,000	83,341
5	Newsam Bros. Pond City.....	do.....	6,229	60,221	16,143	82,593
6	Newsam Bros. Kingston.....	do.....	2,428	31,975	12,574	46,977
7	Collier Cooperative Coal Co., Bartonville.....	Bartonville.....	40,984		5,000	45,984
8	George Vicary.....	Peoria.....		30,330	10,000	40,330
9	Howard & Taylor.....	Edwards.....		19,795	7,416	27,211
10	I. Wantling & Co, Elmwood.....	Peoria.....		17,831	2,530	20,361
11	Newsam Bros. Kingston No. 1.....	do.....	1,597	13,947	3,576	19,120
12	W. E. Foley.....	Mapleton.....	4,000	10,000	2,000	16,000
13	Lancaster Landing Coal Co. No. 2.....	Kingston.....	16,000			16,000
14	Third Vien Coal Co.....	Mapleton.....	5,000	7,500	2,500	15,000
15	Lancaster Landing Coal Co. No. 1.....	Kingston.....	14,400			14,400
16	Warsaw Coal Co.....	Edwards.....	667	5,978	2,417	9,062
17	Applegate & Lewis Coal Co.....	Hanna City.....	2,962	18,028	9,516	30,506
Totals.....			238,890	416,602	266,628	922,120
LOCAL MINES.						
1	Treasurer Coal Co.....	Bartonville.....	11,000	10,790	1,000	22,790
2	Winters Coal Co.....	do.....	21,705			21,705
3	Hibbard & Sneddon.....	Peoria.....	12,000			12,000
4	T. P. Schmidt & Sons.....	do.....	9,412			9,412
5	P. Martin.....	do.....	8,000			8,000
6	Fair Oak Coal Co.....	do.....	5,000			5,000
7	Kellers Coal Co.....	Bartonville.....	4,543			4,543
8	Moline Coal Co.....	Peoria.....	4,503			4,503
9	Limestone Coal Co.....	do.....	4,385			4,385
10	J. H. Fisher.....	do.....	3,360			3,360
11	Callear Bros.....	Pottstown.....	3,225			3,225
12	Crew Bros.....	Chillicothe.....	2,800			2,800
13	Higbee & Caldwell.....	Princeville.....	2,600			2,600
14	Robinson & Trioff.....	Mapleton.....	2,500			2,500
15	Louis A. Schmidt.....	Peoria.....	2,500			2,500
16	David Robert.....	Mapleton.....	2,344			2,344
17	Stanton Blesen.....	do.....	2,240			2,240
18	R. Taylor & Sons.....	Princeville.....	2,162			2,162
19	Hy Kelley.....	Brimfield.....	1,200			1,200
20	Barber Coal Co.....	Pottstown.....	1,200			1,200
21	Kickapoo Coal Co.....	Edwards.....	1,171			1,171
22	Harmon & Durand.....	Brimfield.....	1,000			1,000
23	C. L. Hayes.....	do.....	1,000			1,000
24	W. J. Burdett.....	Pottstown.....	980			980
25	Wm. Jones & Son.....	Mapleton.....	864			864
26	Street-Forston Coal Co.....	Peoria.....	860			860
27	Wm. H. Pool.....	Edwards.....	640			640
28	J. A. Miller.....	Laura.....	558			558
29	Thos. Searliff.....	Mapleton.....	480			480
30	James Dalton.....	Elmwood.....	480			480
31	Nickolas Eugelke.....	Peoria.....	436			436
32	Clark & Co.....	Brimfield.....	425			425
33	Thos. Jones.....	Peoria.....	400			400
34	Arthur Whitiker.....	Brimfield.....	392			392
35	Berry Bros.....	Monica.....	360			360
36	Varnorman & Hartsil.....	Mapleton.....	340			340
37	Hugnt Notzke.....	Oak Hill.....	320			320

Peoria County—Third District—Continued.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$245,979	185,565	3,650	233	145	49	194	189,215		1	10,901	Solid...	Pneu...	1
197,900	157,479	19,218	235	140	49	189	176,697	1	2	10,000	do...	do...	2
90,216	86,300	3,023	210	62	17	79	89,323			6,138	do...	do...	3
95,842	81,405	1,936	186	85	24	109	83,341			4,738	do...	W...	4
107,370	80,705	1,888	213	74	31	105	82,593	1	1	4,338	do...	do...	5
61,070	46,627	350	217	47	14	61	46,977		1	2,399	do...	do...	6
45,000	45,000	984	232	30	10	40	45,984			3,000	do...	W...	7
42,346	35,000	5,330	207	40	15	55	40,330			2,250	do...	do...	8
33,088	24,526	2,685	130	56	21	77	27,211			1,675	do...	W...	9
26,469	19,861	500	180	30	9	39	20,361			1,200	do...	do...	10
23,900	17,932	1,188	182	23	13	36	19,120		1	1,002	do...	do...	11
20,000	15,500	500	144	50	8	58	16,000			1,200	do...	do...	12
24,000	16,000		160	12	8	20	16,000			800	do...	do...	13
22,500	14,500	500	180	40	4	44	15,000				do...	W...	14
21,000	14,400		160	12	8	20	14,400			800	do...	do...	15
10,000	8,596	466	90	25	5	30	9,062			664	do...	do...	16
38,132	28,396	2,110	198	41	25	66	30,506			1,755	do...	do...	17
\$1,104,812	877,792	44,328	192	912	310	1,222	922,120	2	6	52,860			
\$31,435	22,790	225	25	6	31	22,790	22,790			1,470	Solid...	W...	1
21,705	21,705	289	15	4	19	21,705	21,705			1,148	do...	do...	2
18,000	12,000	220	11	2	13	12,000	12,000			750	do...	do...	3
11,116	9,412	244	9	2	11	9,412	9,412			470	do...	do...	4
11,000	8,000	200	8	2	10	8,000	8,000			500	do...	do...	5
9,500	5,000	180	7	2	9	5,000	5,000			250	do...	do...	6
7,950	4,543	200	4	2	6	4,543	4,543			278	do...	do...	7
6,754	4,503	120	5	2	7	4,503	4,503			250	do...	do...	8
6,577	4,385	200	6	2	8	4,385	4,385			300	do...	do...	9
5,040	3,360	150	6	2	8	3,360	3,360			280	do...	do...	10
4,837	3,225	200	5	2	7	3,225	3,225			180	do...	do...	11
5,600	2,800	200	6	2	8	2,800	2,800			130	do...	do...	12
6,300	2,600	300	6	2	8	2,600	2,600			200	do...	do...	13
3,700	2,500	280	4	2	6	2,500	2,500			125	do...	do...	14
3,700	2,500	125	3	2	5	2,500	2,500			50	do...	do...	15
3,516	2,344	110	3	2	5	2,344	2,344			130	do...	do...	16
3,360	2,240	140	3	2	5	2,240	2,240			160	do...	do...	17
4,324	2,162	200	3	2	5	2,162	2,162			186	do...	do...	18
2,400	1,200	240	3	2	5	1,200	1,200				do...	do...	19
1,800	1,200	200	2	1	3	1,200	1,200			8	do...	do...	20
2,056	1,171	160	3	2	5	1,171	1,171				do...	do...	21
1,750	1,000	80	3	2	5	1,000	1,000			30	do...	do...	22
2,000	1,000	210	3	2	5	1,000	1,000			30	do...	do...	23
1,470	980	180	3	2	5	980	980			10	do...	do...	24
1,296	864	100	3	2	5	864	864			50	do...	do...	25
1,290	860	180	2	1	3	860	860			175	do...	do...	26
960	640	200	2	1	3	640	640				do...	do...	27
834	558	140	2	1	3	558	558				do...	do...	28
720	480	100	2	1	3	480	480			10	do...	do...	29
960	480	100	3	1	4	480	480			80	do...	do...	30
654	436	100	1	1	2	436	436			20	do...	do...	31
743	425	125	1	1	2	425	425			10	do...	do...	32
600	400	120	1	1	2	400	400			10	do...	do...	33
686	392	50	2	1	3	392	392			10	do...	do...	34
630	360	150	2	1	3	360	360			25	do...	do...	35
595	340	35	2	1	3	340	340			24	do...	do...	36
480	320	144	2	1	3	320	320			20	do...	do...	37

Peoria County—Third District—Concluded.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES—Continued.						
38	Edward Seigel.....	Oak Hill.....	300	.....	.....	300
39	Lorenzo Clarkson.....	do.....	240	.....	.....	240
40	Robert Scott.....	do.....	240	.....	.....	240
41	Harry J. Green.....	Hanna City.....	240	.....	.....	240
42	Chas. Blust.....	Laura.....	204	.....	.....	204
43	Saunders & Simons.....	Chillicothe.....	204	.....	.....	204
44	Beny Walford.....	Hanna City.....	200	.....	.....	200
45	Cruse & Baldi.....	do.....	200	.....	.....	200
45	Robert Bale.....	Brimfield.....	200	.....	.....	200
47	Lorenzo Clarkson No. 2.....	Oak Hill.....	200	.....	.....	200
48	Frank Richiger.....	Mapleton.....	160	.....	.....	160
49	Ben H. Johnson.....	Peoria.....	160	.....	.....	160
50	John Harvey.....	Sparland.....	150	.....	.....	150
51	Peters Bros.....	Mapleton.....	120	.....	.....	120
52	Ash Johnson.....	Hanna City.....	40	.....	.....	40
53	M. Snider.....	Oak Hill.....	20	.....	.....	20
54	Fred Martin.....	Peoria.....	500	.....	.....	500
Totals.....			120,763	10,790	1,000	132,553
Totals—71 mines.....			359,653	427,392	193,073	1,054,673

Mines reported for 1907, 52.

New mines, 20.

Abandoned mines, 1.

Mines in 1908, 71.

Peoria County—Third District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYEES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employé's.	Total.		Killed.	Injured.				
450		300	150	2	1	3	300			20	do....		38
360		240	120	2	1	3	240			20	do....		39
360		240	180	2	1	3	240			14	do....		40
360		240	180	1		1	240			14	do....		41
306		204	72	2		2	204				Mined..		42
306		204	128	2		2	204			10	Solid..		43
300		200	70	2		2	200			10	do....		44
300		200	90	2		2	200			4	do....		45
300		200	60	2		2	200			5	do....		46
300		200	72	2		2	200			10	do....		47
240		160	60			2	160			10	do....		48
240		160	80	1		1	160			12	do....		49
225		150	50			2	150				Mined..		50
180		120	40	2		2	120				do....		51
60		40	26	1		1	40			3	Solid..		52
30		20	20	1		1	20				Mined..		53
750		500	210	1		1	500			20	Solid..		54
\$189,405		132,553	144	200	70	270	132,553			7,521			
\$1,294,217	877,792	176,881	....	1,112	380	1,492	1,054,673	2	6	60,381			

Putnam County—Third District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1.	St. Paul Coal Co. No. 1.....	Granville.....	4,432	230,990	49,798	285,220
2	B. F. Berry Coal Co. No. 1.....	do.....	5,486	81,543	30,887	117,916
Totals.....			9,918	312,533	80,685	403,136

Mines reported for 1907, 2.

New mines, 1.

Abandoned mines, 1.

Mines in 1908, 2.

Stark County—Third District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	F. J. Fleming & Co.....	Wyoming.....	1,556	4,448	170	6,174
2	V. B. Ballantine.....	do.....		4,648	694	5,324
3	Nick Peterson.....	Bradford.....		2,400	600	3,000
4	Theodore McDaniel & Co.....	Wyoming.....	2,073			2,073
5	James Scott.....	do.....	1,600			1,600
6	Wm. Anderson & Watson.....	do.....	89	2,465	880	3,434
7	Jas. Savill.....	do.....		2,311	100	2,411
8	S. French.....	Bradford.....		200	50	250
9	Ora Jacobs.....	do.....		100		100
10	Beaver Bros.....	Wyoming.....		60		60
Totals.....			5,318	16,632	2,494	24,444

Mines reported for 1907, 11.

Abandoned mines, 1.

Mines in 1908, 10.

Putnam County—Third District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$427,000	277,370	7,850	254	368	128	496	285,220	.....	9	.....	.....	W.....	1
176,023	109,959	7,957	254	138	90	228	117,916	2	6	.....	.....	do..	2
\$603,023	387,329	15,807	254	506	218	724	403,136	2	15	.....	.....

Stark County—Third District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$8,617	6,174	150	13	3	16	6,174	.....	.....	250	Solid...	.....	1
8,481	5,342	200	8	1	9	5,342	.....	.....	225	.....	.....	2
5,550	3,000	250	6	1	7	3,000	.....	.....	150	.....	.....	3
4,146	2,073	185	6	1	7	2,073	.....	.....	96	.....	.....	4
2,800	1,600	200	6	1	7	1,600	.....	.....	120	.....	.....	5
2,503	1,434	170	6	2	10	3,434	.....	.....	237	.....	.....	6
4,094	2,411	200	6	1	7	2,411	.....	.....	160	.....	.....	7
400	250	120	6	1	7	250	.....	.....	10	.....	.....	8
200	100	64	2	1	3	100	.....	.....	4	.....	.....	9
120	60	30	1	1	4	60	.....	.....	3	.....	.....	10
\$39,911	24,444	157	62	13	75	24,444	.....	.....	1,254	.....	

Woodford County—Third District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Roanoke Coal Co. No. 1.....	Pekin.....	47,600	35,653	17,150	100,403
2	Minonk Coal Co. No. 2.....	Minonk.....		25,353	37,384	62,737
Totals.....			47,600	61,006	54,534	163,140

Mines reported for 1907, 2.

Mines in 1908, 2.

Woodford County—Third District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYEES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$145,584	80,223	20,180	252	160	75	235	100,403	.....	3	.....	.....	Pneu.	1
81,558	49,214	13,523	199	144	41	185	62,737	.....	.....	.....	.....	Elec.	2
\$227,142	129,437	33,703	226	304	116	420	163,140	.....	3	.....	.....

Shipping Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Livingston.....	2	110,428	63,706	10,143	16,666	29,537	8,855	239,335	\$1.305
Marshall.....	3	117,765	210,017	4,823	.....	50,918	19,207	402,730	1.561
Peoria.....	17	238,890	416,602	3,000	63,952	192,073	7,603	922,120	1.198
Putnam.....	2	9,918	312,533	9,588	.....	71,097	.....	403,136	1.496
Woodford.....	2	47,600	61,006	25,496	2,966	26,072	.....	163,140	1.392
Total.....	26	524,601	1,063,864	53,050	83,584	369,697	35,665	2,730,461	\$1.346

Local Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Livingston.....	6	20,446	28,951	.....	.....	13,610	.....	63,007	\$1.751
Marshall.....	7	14,759	3,309	.....	.....	2,231	.....	20,299	1.415
Peoria.....	54	120,763	10,790	.....	.....	1,000	.....	132,553	1.429
Starke.....	10	5,318	16,632	.....	.....	2,324	170	24,444	1.633
Total.....	77	161,286	59,682	.....	.....	19,165	170	240,303	\$1.534
Grand total.....	103	685,887	1,123,546	53,050	83,584	388,862	35,835	2,370,764	.....

Whole number of mines reported in 1907, 89.
 Number of new mines opened during the year, 22.
 Number of mines abandoned during the year, 8.
 Whole number of mines reported for 1908, 103.

Counties—Third District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.						Tons mined—By hand.	Powder.—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.					From solid—Tons.			Undercut—Tons.	Both methods—Tons.	
			Miners.	Others.	Boys.	All above ground.	Total.						
220,104	19,231	258	245	78	12	19	354	239,335	2,992	239,335	.....	.....	.....
321,157	81,573	244	682	139	25	61	907	402,730	.....	402,730	.....	.....	.....
877,792	44,328	192	912	182	24	104	1,222	922,120	52,860	922,120	.....	.....	.....
387,329	15,807	254	506	130	6	82	724	403,136	.....	403,136	.....	.....	.....
129,437	33,703	226	304	63	26	27	420	163,140	.....	163,140	.....	.....	.....
1,935,819	194,642	213	2,649	592	93	293	3,627	2,130,461	55,852	2,130,461	.....	.....	.....

Counties—Third District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.						Tons mined —By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.	From solid—Tons.			Undercut—Tons.	Both methods—Tons.	
			Miners.	Others.	Boys.								
.....	63,007	221	88	4	....	7	99	63,007	2,799	63,007	.....	.....	.....
.....	20,299	149	46	3	....	5	54	20,299	1,001	20,299	.....	.....	.....
.....	132,553	144	200	28	....	42	270	132,553	7,521	132,553	.....	.....	.....
.....	24,444	157	62	1	....	12	75	24,444	1,254	24,444	.....	.....	.....
.....	240,303	152	396	36	....	66	498	240,303	12,575	240,303	.....	.....	.....
1,935,819	434,945	.....	3,045	628	93	359	4,125	2,370,764	68,427	2,370,764	.....	.....	.....

FOURTH INSPECTION DISTRICT—1908.

THIRD ANNUAL REPORT.

Counties: Fulton, Hancock, McDonough, McLean, Tazewell.

Hon. David Ross, Secretary Bureau of Labor Statistics, Springfield, Ill.:

SIR—In compliance with section 12 of the mining laws of the State of Illinois, defining the duties of the State inspectors of coal mines, I have the honor to herewith submit the third annual report of the coal mines in the fourth inspection district. This report contains, in addition to the following summary of items, the depth of coal from the surface, the thickness of coal in feet and inches; the geological number of the seam; the nature of the opening, whether shaft, slope, or drift; the power for raising coal, steam, horse, or hand; the system of working, longwall or room and pillar, and the method of mining. The following is a summary of the items contained in the report:

Number of mines	146
Number of new mines	13
Number of abandoned mines	14
Number of shipping mines	37
Number of local mines	109
Tons of mine run coal	358,280
Tons of lump coal	1,092,124
Tons of egg coal	365,521
Tons of nut coal	98,400
Tons of pea or screenings coal	555,764
Tons of slack or waste coal	54,513
Tons of all grades of coal	2,524,602
Aggregate value of total product all mines	\$3,002,398
Tons loaded on cars for shipment	2,173,074
Tons supplied to locomotives at mines	63,008
Tons sold to local trade	219,876
Tons consumed or wasted at mines	68,653
Average number of days of active operation, shipping mines	199
Tons mined by hand	2,524,602
Number of miners	3,193
Number of other employés under ground	711
Number of boys underground	71
Number of employés above ground	331
Total number of employés	4,306
Number of kegs of powder consumed	129,664
Number of fatal accidents	2
Number of non-fatal accidents	24
Number of wives made widows	2
Number of children left fatherless	1
Number of employés to each fatal accident	1,435
Number of tons of coal to each fatal accident	841,534
Ratio of fatal accidents per 1000 employed .....	.70
Number of employés to each non-fatal accident	179
Number of tons of coal to each non-fatal accident	195,192

NEW MINES.

The new mines from which reports have been received for the first time are the Simmons Coal Company, Canton, and Mine No. 2 of the Star Coal Company, Cuba. The Burney Coal Company has sunk a new mine at Colchester, McDonough county. In Fulton county the Star Coal Company has opened a new mine at Fiatt. The Alden Coal Company has opened a new mine one and a half miles north of Norris, and the National Coal Company a new mine one and a half miles east of Middle Grove.

ABANDONED MINES.

The Burney Coal Company, Colchester, McDonough county, abandoned its mine Feb. 15, 1908. The mine known as Buckhart or "D" of the Whitebreast Fuel Company was abandoned April 1, 1908. This mine was located at St. David, Fulton county. The Monarch Coal and Mining Company's mine, Farmington, was abandoned Jan. 1, 1908.

May 12th the top works of the Applegate & Lewis Coal Company's mine, Cuba, was destroyed by fire; there not being a sufficient amount of coal left in the mine to justify rebuilding, the company decided to abandon the mine.

BUSINESS CHANGES.

The Big Creek Coal Company, St. David, has purchased mine "D," formerly owned and operated by the Whitebreast Fuel Company, Dunfermline. The Alden Coal Company has purchased the Farmington Coal Company's mine at Farmington.

IMPROVEMENTS.

The Big Creek Coal Company has installed electric motors in mine No. 4, Dunfermline, doing away with mule haulage to the bottom of the shaft. The Maplewood Coal Company has also put in a system of electric motor haulage at mine No. 1, Farmington. The Alden Coal Company has remodeled the mine recently purchased from the Farmington Coal Company, putting in new shaker screens, boilers and track scales, also repairing and adding to its railroad tracks.

OUTPUT.

COUNTIES.	TOTAL PRODUCT OF ALL GRADES OF COAL IN TONS.		Increase.	Decrease.
	1907	1908		
Fulton.....	1,993,401	2,141,489	148,088	.....
Hancock.....	11,532	6,686	.....	4,846
McDonough.....	46,389	35,576	.....	10,813
McLean.....	154,943	122,416	.....	32,527
Tazewell.....	216,901	218,435	1,534	.....
Totals.....	2,423,166	2,524,602	149,622	48,186
Net increase.....	.....	.....	101,436	.....

Notwithstanding the fact that there was a total suspension of work in all the shipping mines of nearly two months duration this year, the fourth district shows a net increase of 101,436 tons over 1907. Fulton county increased

148,088 tons and Tazewell county 1,534 tons over 1907, while Hancock, McDonough and McLean counties show a decrease of 4,846, 10,813 and 32,527 tons respectfully. The large decrease in McLean county can be accounted for from the fact that in September, 1907, a fire occurred in the McLean County Coal Company's mine which practically prevented it from operating the lower seam during the winter. The counties of McDonough and Hancock have only small mines and the probabilities are the production will decrease rather than increase in the future.

FATAL ACCIDENTS.

July 11, 1907, Joe Kawzkarich, trapper, aged 17 years, single, employed in the mine of the Monmouth Coal Company, Brereton, was fatally injured. Deceased was riding on the front end of a loaded pit car, when, coming to a low place, he was caught between the coal and roof, receiving injuries from which he died the next day.

Dec. 19, 1907, Lewis Provard, laborer, aged 23 years, married, was instantly killed by a fall of rock in the Canton Coal Company's mine, Canton. Deceased was engaged in taking down loose rock from the roof when it fell, crushing him. He leaves a widow and one child.

June 29, 1908, Arthur Heddon, topman, aged 25 years, married, employed at the No. 2 mine of the Maplewood Colliery Company, Farmington, was instantly killed under the wheels of a railroad car. The deceased was attempting to get on the car, which was in motion, with the result as above stated. He leaves a widow.

Following will be found the tables for each county, also the tables for fatal and non-fatal accidents.

Respectfully submitted,

THOMAS WEEKS,

State Inspector of Mines, Fourth District, Bloomington, Ill.

Fatal Casualties—Fourth District—July 1, 1908.

Date.	Name.	Age.	Occupation.	Residence (Town.)	Married.	Widows.	Children.	Single. Persons dependent.	Cause of Accident.
1907									
July 11	Joe Kauzlarich.....	17	Trapper.....	Brereton.....	1	1	1	1	Pit car.....
Dec. 19	Louis Bevard.....	27	Laborer.....	Canton.....	1	1	1	2	Falling slate.....
1908									
June 29	Arthur Hedden.....	28	do.....	Farmington.....	1	1	1	1	Railroad car.....
	Total—3.....				2	2	1	3	

Recapitulation of Fatal Casualties—Fourth District—1908.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Brereton.....	1	Laborers.....	2	Falling slate.....	1	Canton Coal Co.....	1
Canton.....	1	Trapper.....	1	Pit car.....	1	Maplewood Coal Co.....	1
Farmington.....	1			Railroad car.....	1	Monmouth Coal Co.....	1
Totals.....	3		3		3		3

Non-Fatal Casualties—Fourth District—July 1, 1908.

Date.	Name.	Age.	Residence. (Town.)	Married.	Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1907									
Aug. 26	Geo. Duckworth.....	24	Norris.....	1	1			Leg broken, pit car.....	60
Sept. 10	N. Monti.....	37	Farmington.....	1			1	Leg broken, falling slate.....	45
13	Wm. Williams.....	48	do.....	1			1	Body burned, gas explosion.....	30
22	Henry Lowe.....	37	East Peoria.....	1		3	4	Foot crushed, pit car.....	63
30	Albert Goxen.....	19	Norris.....	1				Leg broken, pit car and door.....	45
Oct. 11	Peter Walck.....	30	Farmington.....	1		1	2	Leg broken, pit car.....	60
18	Morgan Davis.....	19	St. David.....	1				Foot and back injured, falling coal.....	60
26	Fellmore Miller.....	30	Canton.....	1			1	Head and Shoulders injured, flying coal.....	36
Nov. 1	John Buyace.....	22	Brereton.....	1				Foot fractured, pit car.....	30
4	Peter Johnson.....	54	Pekin.....	1		5	6	Leg broken, flying coal.....	180
8	Willis Toller.....	42	Bloomington.....	1				Legs bruised, flying coal.....	90
21	David Stewart.....	53	Augusta.....	1		5	6	Pelvis bone broken, falling rock.....	156
25	William Walsh.....	64	Cuba.....	1		6		Leg bruised, flying coal.....	42
Dec. 4	Ed. Bernardi.....	22	Farmington.....	1				Leg broken, pit car.....	45
10	Jacob Lassik.....	35	Norris.....	1				Hand cut, falling slate.....	30
11	Clifford Slyke.....	18	Cuba.....	1				Collar bone broken, pit car.....	35
28	Chas. Sweringer.....	26	Farmington.....	1				do.....	30
Feb. 1	H. Knoch.....	53	Bloomington.....	1		3	4	Chin cut, fell down steps.....	90
10	John Hanson.....	47	East Peoria.....	1		6	7	Foot bruised, falling coal.....	90
18	Robert Appleby.....	40	do.....	1				Leg broken, pit car.....	50
Mar. 3	Peter Johnson.....	49	Bloomington.....	1		5	6	Shoulders and hip bruised, fal- ling coal.....	90
Apr. 9	Thos. E. Wilson.....	51	Blandinsville.....	1		3	4	Ankle broken, falling coal.....	50
May 15	James Shaw.....	58	Farmington.....	1			1	Leg broken, falling coal.....	45
June 17	Edward Russell.....	45	Cuba.....	1		4	5	Hip dislocated, falling slate.....	*
	Totals.....			14	10	41	55		

*Not recovered July 1, 1908..

Total number of men injured.....	24
Not recovered July 1, 1908.....	1
Numbered recovered July 1, 1908.....	23
Time lost by men recovered, days.....	1,452
Average time lost by men recovered, days.....	63.13

Recapitulation of Non-Fatal Casualties—Fourth District—1908.

Residence.	No	Occupation.	No	Cause of Accident.	No	Colliery.	No.
Augusta.....	1	Drivers.....	7	Falling coal.....	5	Eagle Mining Co.....	1
Blandinsville.....	1	Laborers.....	1	Falling down steps..	1	Ellis, C. H.....	1
Bloomington.....	3	Miners.....	12	Falling rock.....	1	McLean County Coal Co...	3
Brereton.....	1	Shot firers.....	2	Falling slate.....	3	Maplewood Coal Co.....	6
Canton.....	1	Timbermen.....	1	Flying coal.....	4	Monmouth Coal Co.....	2
Cuba.....	3	Track layers....	1	Gas explosion.....	1	Norris Coal & Mining Co...	3
E. Peoria.....	3			Pit cars.....	8	Phoenix Coal Co.....	1
Farmington.....	6			Pit car and door....	1	Simmons Coal Co.....	1
Norris.....	3					Cummins, A. B., Est.....	2
Pekin.....	1					Star Coal Co.....	2
St. David.....	1					Tazewell Coal Co.....	1
						Wilson Coal Co.....	1
Totals.....	24		24		24		24

Recapitulation of Non-Fatal Casualties, Nature of Injuries, Conjugal Relations and Time Lost—Fourth District—June 30, 1908.

NATURE OF INJURIES.	Number.	Married.	Single.	Children.	Dependents.	TIME LOST—DAYS.		Percent- age of injuries.
						Total.	Average.	
Ankle broken.....	1	1	.....	3	4	50	50.00	4.17
Body bruised.....	1	1	.....	.....	1	30	30.00	4.17
Chin cut.....	1	1	.....	3	4	90	90.00	4.17
Collar bone broken.....	2	.....	2	.....	.....	65	32.50	8.33
Feet fractured.....	2	.....	2	.....	.....	90	45.00	8.33
Feet bruised.....	1	1	.....	6	7	90	90.00	4.17
Feet crushed.....	1	1	.....	3	4	63	63.00	4.17
Hand cut.....	1	.....	1	.....	.....	30	30.00	4.17
Head and shoulders bruised.....	1	1	.....	.....	1	36	36.00	4.17
Hips dislocated.....	1	1	.....	4	5	.....	.....	4.17
Legs broken.....	8	4	4	6	10	530	66.25	33.33
Legs bruised.....	2	1	1	6	7	132	66.00	8.33
Pelvis bone broken.....	1	1	.....	5	6	156	156.00	4.17
Shoulders, thighs and hips bruised.....	1	1	.....	5	6	90	90.00	4.17
Totals.....	24	14	10	41	55	1,452	63.13	100.00

Fulton County—Fourth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Big Creek Coal Co. No. 2.....	St. David.....	7,314	99,812	114,395	221,521
2	Maplewood Colliery Co. No. 2.....	Farmington.....	5,729	105,738	150,011	261,478
3	Big Creek Coal Co. No. 4.....	Dunfermline.....	23,139	69,237	126,271	218,647
4	Monmouth Coal Co. No. 1.....	Bereton.....	2,382	68,933	135,432	206,747
5	Maplewood Coal Co. No. 1.....	Farmington.....	3,498	84,199	60,737	148,434
6	Canton Coal Co., Drake's.....	Canton.....	1,628	54,617	121,567	177,812
7	Big Creek Coal Co. No. 3.....	Cuba.....	1,577	70,319	36,297	108,193
8	Norris Coal Mining Co., Norris.....	Norris.....	554	52,764	84,226	137,544
9	Star Coal Co., No. 1.....	Cuba.....	43	63,961	32,807	96,811
10	*Simmons Coal Co., Simmons.....	Canton.....	14,054	30,904	39,981	84,939
11	Eagle Mining Co., Eagle.....	do.....	14,859	41,785	24,063	80,707
12	Newsam Bros., Maplewood.....	Farmington.....	735	48,577	14,621	63,933
13	*Applegate & Lewis Coal Co., West Cuba.....	Cuba.....	27,558	21,138	13,201	61,897
14	East Cuba Coal Mining Co., No.1.....	do.....	21,104	10,134	4,981	36,219
15	Astoria & Woodland Coal Co., Merril farm.....	Astoria.....	170	21,569	11,864	33,603
16	Spoon River Coal Co., Ellisville.....	Ellisville.....	4,985	9,843	6,735	21,563
17	Farmington Coal Co., Nickel Plate.....	Farmington.....	2,008	12,512	5,673	20,193
18	*Star Coal Co., No. 2.....	Cuba.....	80	12,796	6,676	19,552
19	Spoon River Coal Co., No. 1.....	Mayton.....	2,767	9,842	6,746	19,355
20	W. D. Myers, Buckhart.....	St. David.....	.....	3,540	14,160	17,700
21	*Z. R. Riley, North Side.....	Breeds.....	8,600	200	125	8,925
22	Essex & Fritz C. Mine Co., Parrville Mine.....	Parrville.....	1,000	3,000	1,500	5,500
23	*Monarch Coal & Mining Co., Pond Lily.....	Farmington.....	5,000	.....	.....	5,000
24	*Wm. Scripps Coal Co., Buckhart.....	St. David.....	373	1,468	3,019	4,860
25	*Magee Coal Co., Magee's.....	Breeds.....	2,654	.....	.....	2,654
26	Galesburg Union Supply Co., Tate's Mine.....	Parrville.....	132	1,740	840	2,712
27	Sunnyside Fuel Co., Sunnyside.....	Cuba.....	5,061	6,555	2,940	14,556
Totals.....			157,004	905,183	1,018,868	2,081,055
LOCAL MINES.						
1	Geo. Westerby.....	Farmington.....	.....	7,000	3,000	10,000
2	James Yocum.....	Lewistown.....	.....	3,010	1,000	4,010
3	Joe McLaughlin.....	Canton R.R. 8.....	.....	4,000	.....	4,000
4	John Kinnamon.....	Ipava.....	844	2,066	244	3,154
5	Harry Siever.....	Lewistown.....	.....	3,000	.....	3,000
6	A. J. Gunnett.....	Fairview.....	1,205	1,205	.....	2,410
7	Frank Hubbell.....	Avon R. R. 1.....	2,000	.....	.....	2,000
8	John W. Rakestraw.....	St. David.....	1,945	.....	.....	1,945
9	Daniel Bollinger.....	Cuba.....	.....	1,664	.....	1,664
10	Daniel Williams.....	Rapatee R.R. 35.....	.....	1,600	.....	1,600
11	H. Vice.....	Fairview.....	.....	1,600	.....	1,600
12	A. McBroom.....	Canton R. R. 2.....	.....	1,400	80	1,480
13	Ed Wages.....	Canton.....	.....	1,400	40	1,440
14	John Goodman.....	Lewistown.....	.....	1,400	.....	1,400
15	W. T. McBride.....	Fairview.....	.....	1,200	.....	1,200
16	Wm. Fouraker & Miller.....	Marrietta.....	.....	1,120	.....	1,120
17	De Moss & Peirce.....	Canton.....	.....	800	220	1,020
18	Emberling Coal Co.....	Ellisville.....	.....	1,000	.....	1,000
19	L. D. Huggans.....	Canton.....	.....	800	200	1,000
20	Arthur Hamilton.....	Glassford.....	.....	800	.....	800
21	Thos. Travers.....	Fairview.....	.....	800	.....	800
22	Jas. A. Mann.....	Canton R.R. 3.....	.....	800	.....	800
23	Louis Putman.....	do.....	.....	800	.....	800
24	Anderson & Savill.....	Canton.....	.....	600	80	680
25	J. M. Davis.....	Vermont.....	220	440	.....	660
26	Taylor & Workman.....	Avon.....	.....	640	.....	640
27	Mordeca Morris.....	Flat.....	.....	640	.....	640

Fulton County—Fourth District—Continued.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$249,596	215,883	5,638	225	247	98	345	221,521	.....	.....	12,940	Solid	Pneu.	1
292,853	257,887	3,591	220	195	115	310	261,478	1	3	15,705	do.	do.	2
246,672	211,986	6,661	230	190	80	270	218,647	.....	.....	11,928	do.	do.	3
229,894	202,151	4,596	212	186	79	265	206,747	1	2	11,231	do.	do.	4
158,406	141,449	6,985	200	135	85	220	148,434	.....	3	8,246	do.	do.	5
204,483	177,332	480	246	162	57	219	177,812	1	.....	10,187	do.	Pneu.	6
121,898	103,116	5,077	221	130	42	172	108,193	.....	.....	5,402	do.	do.	7
170,775	117,315	20,229	216	140	47	187	137,544	.....	3	7,513	do.	do.	8
113,400	95,251	1,560	194	121	36	157	96,811	.....	2	5,100	do.	W	9
95,131	82,018	2,921	170	90	22	112	84,939	.....	1	4,498	do.	Pneu.	10
89,989	66,451	14,256	227	92	28	120	80,707	.....	1	4,125	do.	do.	11
71,605	60,798	3,135	225	65	28	93	63,933	.....	.....	3,407	do.	St. W	12
74,276	47,719	14,178	173	97	42	139	61,897	.....	.....	2,376	do.	W	13
39,840	34,519	1,700	171	90	16	106	36,219	.....	.....	1,600	do.	Pneu.	14
40,933	32,403	1,200	206	43	14	57	33,603	.....	.....	1,365	do.	W	15
25,300	21,563	2,037	197	40	15	50	21,563	.....	.....	1,571	do.	do.	16
24,029	18,156	702	215	29	19	48	20,193	.....	.....	1,180	do.	W	17
20,500	19,302	250	121	34	8	42	19,552	.....	.....	1,005	do.	do.	18
29,033	19,355	.....	120	40	10	50	19,355	.....	.....	1,571	do.	do.	19
21,240	17,000	700	144	40	14	54	17,700	.....	.....	720	do.	do.	20
9,460	8,900	25	200	10	4	14	8,925	.....	.....	400	do.	do.	21
8,000	5,500	.....	225	10	2	12	5,500	.....	.....	150	do.	do.	22
6,250	5,000	90	8	2	10	10	5,000	.....	.....	150	do.	do.	23
5,074	4,297	653	49	32	17	49	4,860	.....	.....	212	do.	W	24
2,805	2,419	235	112	8	4	12	2,654	.....	.....	125	do.	do.	25
3,246	2,712	.....	150	10	.....	10	2,712	.....	.....	683	do.	do.	26
18,686	13,445	1,112	213	19	4	23	14,556	.....	.....	.....	.....	.....	27
\$2,373,374	1,983,837	97,218	193	2,263	883	3,146	2,081,055	3	15	113,490	.....	.....	.....
\$13,750	.....	10,000	250	8	3	11	10,000	.....	.....	450	Solid	W	1
7,520	.....	4,010	200	10	2	12	4,100	.....	.....	125	U. C.	do.	2
6,000	.....	4,000	200	8	2	10	4,000	.....	.....	231	Solid	do.	3
5,005	.....	3,154	300	5	.....	5	3,154	.....	.....	100	do.	do.	4
5,250	.....	3,000	200	2	.....	2	3,000	.....	.....	100	do.	do.	5
3,314	.....	2,410	300	4	.....	4	2,410	.....	.....	60	do.	do.	6
3,000	.....	2,000	150	6	.....	6	2,000	.....	.....	75	do.	do.	7
2,917	.....	1,945	200	8	.....	8	1,945	.....	.....	115	do.	do.	8
2,288	.....	1,664	250	3	.....	3	1,664	.....	.....	75	do.	do.	9
2,400	.....	1,600	150	4	.....	4	1,600	.....	.....	50	do.	do.	10
2,400	.....	1,600	150	2	.....	2	1,600	.....	.....	50	do.	do.	11
2,164	.....	1,450	200	6	.....	6	1,450	.....	.....	60	do.	do.	12
2,132	.....	1,440	125	3	.....	3	1,440	.....	.....	50	do.	do.	13
1,650	.....	1,400	200	8	.....	8	1,400	.....	.....	70	do.	do.	14
1,650	.....	1,200	200	2	.....	2	1,200	.....	.....	50	do.	do.	15
1,960	.....	1,120	215	6	.....	6	1,120	.....	.....	.....	Mined	do.	16
1,360	.....	1,020	60	10	.....	10	1,020	.....	.....	60	Solid	do.	17
1,750	.....	1,000	260	5	.....	5	1,000	.....	.....	50	do.	do.	18
1,300	.....	1,000	200	6	.....	6	1,000	.....	.....	50	do.	do.	19
1,200	.....	800	200	2	.....	2	800	.....	.....	50	do.	do.	20
1,200	.....	800	150	3	.....	3	800	.....	.....	50	Mined	do.	21
1,000	.....	800	100	2	.....	2	800	.....	.....	.....	do.	do.	22
1,000	.....	800	120	2	.....	2	800	.....	.....	50	Solid	do.	23
960	.....	680	150	12	2	14	680	.....	.....	250	do.	do.	24
1,232	.....	660	221	8	.....	8	660	.....	.....	.....	Mined	do.	25
1,680	.....	640	175	3	.....	3	640	.....	.....	50	Solid	do.	26
960	.....	640	150	2	.....	2	640	.....	.....	50	do.	do.	27

Fulton County—Fourth District—Concluded.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES—Continued.						
28	A. B. Nace.....	Farmington.....		640		640
29	J. E. Johnson.....	Canton R.R. 3.....		600		600
30	E. R. Knickerbocker.....	Fairview.....		600		600
31	Joseph Wilson.....	Astoria.....		531		531
32	Ell Clemens.....	Table Grove.....		500		500
33	John A. Lamb.....	Canton R.R. 6.....		419		419
34	Sam Parr.....	Fairview.....		400		400
35	Wm. Fennell.....	Middle Grove.....		360		360
36	John Akerson & Son.....	Cuba.....	480			480
37	C. F. Rouden.....	do.....	300	100		400
38	Perry Pollett.....	Canton R.R. 6.....	320			320
39	E. D. Woodcock.....	Canton R.R. 3.....	320			320
40	W. Hickman.....	Marietta.....	320			320
41	John W. Williams.....	Canton R.R. 7.....	280			280
42	Dewitt Brothers.....	Fairview.....	280			280
43	John Porter.....	Cuba R. R. 3.....	240			240
44	Miller & Hand.....	Fairview.....	240			240
45	John Stufflebeam.....	Lewistown R. 4.....	200			200
46	Henry Grissby.....	do.....	200			200
47	Andrew Nuneker.....	Bushnell.....	200			200
48	William Whitehead.....	Lewistown R. 4.....	200			200
49	Wilcockson Bros.....	do.....	160			160
50	L. M. Turner.....	Fairview.....	140			140
51	Geo. Swope.....	Ipava.....	132			132
52	De Moss & Peirce No. 1.....	Canton.....	80			80
53	Ed. Clarkson.....	Fairview.....	80			80
54	Stufflebeam & Lightle.....	St. David.....	48			48
55	Chas. A. Hall.....	Canton R.R. 6.....	40			40
56	Frank Weaver.....	Lewistown R. 4.....	24			24
57	James May.....	do.....		1,097		1,097
58	J. R. Collins.....	do.....		40		40
Total.....			10,498	45,072	4,864	60,434
Totals—85 mines.....			167,502	950,255	1,023,732	2,141,489

Mines reported for 1907, 73.

New mines, 12.

Mines in 1908, 85.

Fulton County—Fourth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
1,120		640	250	3		3	640				Mined..		28
750		600	100	2		2	600			50	Solid..		29
900		600	175	3		3	600			40	do.		30
1,062		531	150	3		3	531			50	do.		31
775		500	200	3		3	500			30	do.		32
534		419	150	2		2	419			30	do.		33
600		400	150	2		2	400			20	do.		34
540		360	150	2		2	360			3	Mined..		35
720		480	100	2		2	480			30	Solid..		36
450		400	100	2		2	400			30	do.		37
480		320	100			2	320			20	do.		38
480		320	100	1		1	320			20	do.		39
480		320	150	3		3	320				Mined..		40
350		280	100	1		1	280			15	Solid..		41
420		280	150	2		2	280			15	do.		42
300		240	150	2		2	240			15	do.		43
360		240	100			2	240			15	do.		44
350		200	150	2		2	200			20	do.		45
300		200	150			2	200			20	do.		46
400		200	150	2		2	200				Mined..		47
250		200	100	2		2	200			20	Solid..		48
280		160	150	3		3	160			15	do.		49
175		140	60	1		1	140			8	do.		50
198		132	150	1		1	132				Mined..		51
100		80	200	6		6	80			20	Solid..		52
160		80	30	1		1	80			15	do.		53
60		48	20	4		4	1,248			100	do.		54
30		40	20	2		2	40			5	do.		55
2,194		24	30	1		1	24				do.		56
70	1,097	170	170	5		5	1,097				Mined..		51
	40	30	30	2		2	40				do.		58
92,078	60,434	152	211	9		220	60,434			2,927			
\$2,465,452	1,983,837	157,652		2,474	892	3,366	2,141,489	3	15	116,417			

Hancock County—Fourth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Meredith Bros.	Augusta.....		4,250		4,250
LOCAL MINES.						
1	W. C. Courtney.....	Augusta.....		1,000		1,000
2	C. H. Ellis.....	do.....		800	36	836
3	W. C. Young.....	do.....		600		600
Totals.....				2,400	36	2,436
Totals—4 mines.....				6,650	36	6,686

Mines reported for 1907, 7.

Abandoned mines, 3.

Mines in 1908, 4.

Hancock County—Fourth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT		Days of active operation.	EMPLOYÉS.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employés.	Total.		Killed.	Injured.				
\$8,500	4,000	250	200	7	2	9	4,250					W....	1
\$2,250		1,000	300	4		4	1,000				Mined..		1
2,027		836	200	5		5	836		1		..do..		2
1,350		600	245	2		2	600				..do..		3
\$5,627		2,436	248	11		11	2,436		1				
\$14,127	4,000	2,686	....	18	2	20	6,686		1				

McDonough County—Fourth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Burney Coal Co	Colchester.....	11,864			11,864
LOCAL MINES.						
1	Rippetoe Coal Co	Colchester.....		3,064	768	3,832
2	John Wilson.....	do.....		2,989	223	3,212
3	Chas. P. Sweeney.....	Vermont.....		1,447		1,447
4	W. H. Robinson.....	Colchester R. 5.		1,201		1,201
5	Samuel Oldham.....	Colchester.....		1,200		1,200
6	Amos Atkinson.....	do.....		1,200		1,200
7	Fox Brothers.....	do.....		1,003		1,003
8	Ralph Oldham.....	do.....		1,100		1,000
9	Frank Burdick.....	Industry.....		848		848
10	Thos. C. Wilson.....	Blandensville.....		640		640
11	John Berry.....	Colchester.....		527		527
12	Walter Upham.....	do.....		480		480
13	Joseph Bunt.....	do.....		427		427
14	W. S. Stonoking.....	Birmingham.....		400		400
15	Russell & Moon.....	Birmingham R. R. No. 2.....		400		400
16	Louis Lewis.....	Colchester.....		360		360
17	John R. Betson.....	do.....		400		400
18	Wm. Kipling & Bro.....	do.....		320		320
19	Wadill Brothers.....	Tennessee.....		320		320
20	Andrew Swanson.....	Colchester.....		280		280
21	Harpe & Kilgore.....	do.....		247		247
22	Alla Vawters.....	do.....		280		280
23	Issac Fisher.....	do.....		300		200
24	Oscar Curtis.....	Industry.....		240		240
25	Anton Lokosick.....	Colchester.....		100		100
26	Lee McClure.....	do.....		240		240
27	John V. Thompson.....	Macomb R.R. 5.....		820		820
28	James Guy.....	Colchester.....		240		240
29	C. H. Price.....	Macomb R.R. 6.....		400	40	440
30	B. F. Murry.....	Colchester.....		240		240
31	Frank Voglar.....	Birmingham.....		280		280
32	S. M. McCord.....	Colchester.....		200		200
33	Eli Hilliard.....	do.....		80		80
34	Philip Zemmings.....	Industry.....		120		120
35	Geo. M. Clark.....	Colchester R. R. No. 3.....		40		40
36	Andrew Swanson.....	Colchester.....		100		100
37	Thos. Nelson.....	do.....		100		100
38	J. E. Smith.....	do.....		80		80
39	Geo. Foster.....	do.....		48		48
40	Chas. Tone.....	do.....		32		32
41	Richard Saitey.....	do.....		32		32
42	Marion McClure.....	do.....		32		32
43	William Hulson.....	do.....		24		24
Totals.....				22,681	1,031	23,712
Totals—44 mines.....			11,864	22,681	1,031	35,576

Mines reported for 1907, 54.

Abandoned mines, 10.

Mines in 1908, 44.

McDonough County—Fourth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Hells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Injured.	Killed.				
\$18,000	11,335	529	134	40	4	44	11,864				U. C.	W.	1
\$17,180		3,832	150	15	3	18	3,832					W.	1
6,052		3,212	219	10	1	11	3,212					..do..	2
2,894		1,447	230	7		7	1,447					..do..	3
3,352		1,201	200	6		6	1,201					..do..	4
2,400		1,200	150	7		7	1,200					..do..	5
2,400		1,200	200	6		6	1,200					..do..	6
2,006		1,003	250	6		6	1,003					..do..	7
2,000		1,000	200	5		5	1,000					W.	8
1,908		848	200	5		5	848					..do..	9
1,600		640	212	3		3	820					..do..	10
1,054		527	180	2		2	400					..do..	11
960		480	300	2		2	640	1				W.	12
960		480	200	4		2	360					..do..	13
800		400	156	4		4	527					..do..	14
900		480	170	2		2	320					..do..	15
720		360	150	2		2	480					..do..	16
900		400	180	2		2	280					..do..	17
760		320	150	3		3	427					..do..	18
710		320	200	2		2	280					..do..	19
630		280	160	3		3	400					..do..	20
494		247	125	3		3	240					..do..	21
665		280	150	5		5	400					..do..	22
400		200	150	5		5	240					..do..	23
480		240	90	4		4	440					..do..	24
200		100	150	2		2	240					..do..	25
540		240	175	6		6	320					..do..	26
1,640		820	250	1		1	240					..do..	27
570		240	150	1		1	280					..do..	28
820		440	180	3		3	200					..do..	29
540		240	200	2		2	247					..do..	30
560		280	150	5		5	120					..do..	31
400		200	200	3		3	200					..do..	32
180		80	90	2		2	100					..do..	33
300		120	150	1		1	100					..do..	34
80		40	60	1		1	100					..do..	35
237		100	50	2		2	80					..do..	36
200		100	50	1		1	80					..do..	37
180		80	60	1		1	40					..do..	38
114		48	30	1		1	48					..do..	39
76		32	20	1		1	32					..do..	40
72		32	20	1		1	32					..do..	41
72		32	20	5		5	32					..do..	42
54		24	15	2		2	24					..do..	43
\$48,960		23,712	149	52	4	156	23,712		1				
\$66,960	11,335	24,241	....	192	8	200	35,576		1				

McLean County—Fourth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	McLean County Coal Co.	Bloomington. . .	12,000	54,000	22,898	88,898
2	Colfax Cooperative Co.	Colfax.	8,156	20,562	4,800	33,518
	Totals. ....	.....	20,156	74,562	27,698	122,416

Mines reported for 1907, 2.

Mines in 1908, 2.

McLean County—Fourth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting Coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$177,796	12,000	76,898	177	170	75	245	88,898	.....	3	.....	U. C.	Pneu.	1
1 33,518	18,955	14,563	313	33	26	59	33,518	.....	.....	1,800	Solid.	E.	2
\$211,314	30,955	91,461	245	203	101	304	122,416	.....	3	1,800			

Tazewell County—Fourth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Tazewell Coal Co., Tazewell.....	Pekin.....	42,087	20,591	11,431	74,109
2	Phoenix Coal Co., No. 1.....	Peoria.....	37,775			37,775
3	Grant Bros. Coal & Ice Co., No.1.....	Pekin.....	12,000	8,825	6,000	26,825
4	Eastern Coal Co., Eastern.....	Peoria.....	21,737			21,737
5	Champion Coal Co., Pekin.....	Pekin.....	7,469	8,560	4,270	20,299
6	Lake Erie Coal & Mining Co., Carters....	Peoria.....	11,233			11,233
Totals.....			132,292	37,976	21,701	191,969
LOCAL MINES.						
1	A. B. Cummings.....	East Peoria.....	13,390			13,390
2	G. Giebelhausen & Son.....	Peoria R. R. 34.....	7,797			7,797
3	Schmidt Bros.....	East Peoria.....	3,029			3,029
4	Martens & Fisher.....	do.....	2,000			2,000
5	Fred Seffer.....	do.....	250			250
Totals.....			26,466			26,466
Totals—11 mines.....			158,758	37,976	21,701	218,435

Mines reported for 1907, 11.

New mines, 1.

Abandoned mines, 1.

Mines in 1908, 11.

Tazewell County—Fourth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$78,556	68,627	5,482	248	90	36	126	74,109	.....	1	3,368	Solid...	Pneu.	1
43,441	36,315	1,463	192	59	22	72	37,775	.....	1	2,270	..do....	W....	2
29,239	18,000	8,825	259	32	11	43	26,825	.....	.....	1,554	..do....	..do..	3
23,900	10,000	11,737	187	35	8	43	21,737	.....	.....	1,162	..do....	Pneu.	4
22,319	9,080	11,210	259	20	5	25	20,299	.....	.....	812	..do....	W....	5
12,356	925	10,308	190	21	8	29	11,233	.....	.....	705	..do....	..do..	6
<u>\$209,811</u>	<u>142,947</u>	<u>49,022</u>	<u>220</u>	<u>248</u>	<u>90</u>	<u>338</u>	<u>191,969</u>	<u>.....</u>	<u>2</u>	<u>9,871</u>			
\$18,401	.....	13,390	150	25	7	32	13,390	.....	2	669	.....	W....	1
9,764	.....	7,797	175	11	4	15	7,797	.....	.....	388	.....	..do..	2
3,757	.....	3,029	182	10	4	14	3,029	.....	.....	151	.....	..do..	3
2,500	.....	2,000	225	10	5	15	2,000	.....	.....	100	.....	..do..	4
312	.....	259	22	2	.....	2	259	.....	.....	.....	.....	.....	5
<u>\$34,734</u>	<u>.....</u>	<u>26,466</u>	<u>151</u>	<u>58</u>	<u>20</u>	<u>78</u>	<u>26,466</u>	<u>.....</u>	<u>2</u>	<u>1,308</u>			
<u>\$186,070</u>	<u>142,947</u>	<u>75,488</u>	<u>....</u>	<u>336</u>	<u>110</u>	<u>446</u>	<u>218,435</u>	<u>.....</u>	<u>4</u>	<u>11,179</u>			

Shipping Mines—Recapitulation by

COUNTIES	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Fulton.....	27	157,004	905,183	362,021	91,489	527,499	37,859	2,081,055	\$1.144
Hancock.....	1		4,250					4,250	2.000
McDonough.....	1	11,864						11,864	1.517
McLean.....	2	20,156	74,562	3,500	4,500	9,800	9,898	122,416	1.718
Tazewell.....	6	132,292	37,976		2,411	18,465	825	191,969	1.092
Total.....	37	321,316	1,021,971	365,521	98,400	555,764	48,582	2,411,554	\$1.124

Local Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Fulton.....	58	10,498	45,072				4,864	60,434	\$1.524
Hancock.....	3		2,400				36	2,436	2.309
McDonough.....	43		22,681				1,031	23,712	2.064
Tazewell.....	5	26,466						26,466	1.312
Total.....	109	36,964	70,153				5,931	113,048	\$1.607
Grand total.....	146	358,280	1,092,124	365,521	98,400	555,764	54,513	2,524,692	.....

Whole number of mines reported in 1907, 147.
 Number of new mines opened during the year, 13.
 Number of mines abandoned during the year, 14.
 Whole number of mines reported for 1908, 146.

Counties—Fourth District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYEES.						Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.				Total.	From solid—Tons.			Undercut—Tons.	Both methods—Tons.	
			Miners.	Others.	Boys.	All above ground.							
1,983,837	97,218	193	2,263	578	66	239	3,146	2,081,055	113,490	2,081,055	.....	.....	.....
4,000	250	200	7	.....	.....	2	9	4,250	.....	4,250	.....	.....	.....
11,335	529	134	40	1	.....	3	44	11,864	.....	.....	.....	11,864	.....
30,955	91,461	245	203	54	3	44	304	122,416	1,800	88,896	33,518	.....	.....
142,947	49,022	220	248	57	2	31	338	191,969	9,871	191,969	.....	.....	.....
2,173,074	238,480	199	2,761	690	71	319	3,841	2,411,554	125,161	2,399,690	11,864	.....	.....

Counties—Fourth District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYEES.						Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.				Total.	From solid—Tons.			Undercut—Tons.	Both methods—Tons.	
			Miners.	Others.	Boys.	All above ground.							
.....	60,434	152	211	1	.....	8	220	60,434	2,927	60,434	.....	.....
.....	2,436	248	11	.....	.....	.....	11	2,436	.....	2,436	.....	.....
.....	23,712	149	152	4	.....	.....	156	23,712	.....	19,496	.....	.....
.....	26,466	151	58	6	.....	4	78	26,466	1,308	26,466	.....	.....
.....	113,048	153	432	21	.....	12	465	113,048	4,235	108,832	.....	.....
2,173,074	351,528	....	3,193	711	71	331	4,306	2,524,602	129,396	2,508,522	11,864	.....

FIFTH INSPECTION DISTRICT—1908.

THIRD ANNUAL REPORT.

Counties: Edgar, Macon, Vermilion.

THOMAS MOSES, *Inspector*, Westville.

Hon. David Ross, Secretary State Bureau of Labor Statistics, Springfield, Ill.:

SIR—In compliance with the law of Illinois, defining the duties of State inspectors of coal mines, I have the honor to herewith submit the third annual report of the coal mines in the fifth inspection district for the year ending June 30, 1908. The district includes the coal producing counties of Edgar, Macon and Vermilion.

The tabular statement in this report contains information in regard to the number of mines and miners and other employes; the various grades of coal produced and the number of tons of each; the aggregate value of the total product at the mines; the tons shipped by rail or sold to local consumers or used for steam producing purposes at the mines; the amount of powder and dynamite used at the mines, and a complete statement of all fatal accidents, also of non-fatal accidents that necessitated the loss of over thirty days time.

The following is a summary of the leading items contained in the report of the district:

Number of shipping mines	18
Number of mines in local trade	29
Total number of mines	47
Number of miners employed	3,079
Number of other employes underground	945
Number of boys underground	75
Number of employes on the surface	258
Total number of employes	4,357
Number of kegs of powder consumed, for all purposes	100,208
Tons of lump coal produced	853,426
Tons of mine run coal produced	1,333,032
Tons of all other grades combined	665,911
Total product in tons of 2000 pounds	2,902,369
Tons shipped on cars at mine	2,472,544
Tons sold to local consumers, shipping mines	160,440
Tons sold to local consumers, local mines	138,232
Total tons to local trade	298,672
Tons used for steam purposes at mines	101,048
Tons supplied to locomotives at mines	30,105
Aggregate value of the total product	\$2,994,434
Number of fatal accidents	19
Number of non-fatal accidents	70
Total number of accidents	89

DECREASE IN PRODUCTION AND NUMBER OF LOCAL MINES.

In Vermilion county the coal industry has decreased. One of the largest shipping mines has been abandoned, while three others have been tempo-

rarily abandoned and no new mines have been put in operation. In my last report I reported twenty-two shipping mines; this year I can only report eighteen.

A number of changes in local mines took place this year, as usual, but a decided decrease in those mines also took place in Vermilion county. Last year I was able to report forty-three local mines in that county, while this year I can only report twenty-eight local mines, yet they may all be in operation before winter sets in.

The total tonnage of each county for the years 1907 and 1908 with the increase and decrease in each is shown in the following comparative table:

COUNTIES.	TOTAL OUTPUT IN TONS, ALL GRADES.		Increase.	Decrease.
	1907	1908		
Edgar.....	790	4,971	4,181	.....
Macon.....	96,329	237,636	.....	58,693
Vermilion.....	3,019,934	2,659,762	.....	360,172
Totals.....	3,317,053	2,902,369	4,181	418,865
Net decrease.....	.....	.....	.....	414,684

Edgar county shows an increase in product of 529 per cent; Macon county shows a decrease of 19.8 per cent, and Vermilion 11.9 per cent. The net decrease in the product for the district was 414,684 tons, or 12.5 per cent.

ABANDONED MINES.

The Kelly Coal Company abandoned its No. 46 mine at Himrod, Jan. 15, 1908. The mine of the Blue Mound Coal Company, Macon county, and the Kelly Coal Company mine No. 45 and the Dering Coal Company mine No. 4, all at Westville, Vermilion county, have been shut down indefinitely.

IMPROVEMENTS.

The Decatur Coal Company has placed a new Stevens fan at its Niantic mine. The fan is 10 feet in diameter and 3 feet wide. This company has also placed a fan of the same make and dimensions at its No. 2 mine, Decatur, which has very much improved the ventilation of these mines.

FATAL ACCIDENTS.

A description of the fatal accidents occurring during the year follows:

July 17, 1907, Frank Youbutio, day man, aged 30 years, single, was instantly killed by falling rock in the mine of the Dering Coal Company, No. 4, Steelton, Vermilion county. Deceased was engaged in cleaning up a fall on the third south entry when a rock fell on him.

July 23, 1907, Joe Bodner, miner, aged 28 years, single, was killed by falling rock at his working face in mine No. 42 of the Kelly Coal Company at Westville, Vermilion county.

July 25, 1907, Ignatz Rothus, miner, aged 30 years, single, was instantly killed by falling rock at his working face in mine No. 4 of the Dering Coal Company at Steelton, Vermilion county.

July 26, 1907, Fred Bednor, miner, aged 35 years, married, was killed by falling rock at the face of the entry in No. 2 mine of the Dering Coal Company, Westville, Vermilion county. Deceased was engaged in driving and timbering a dangerous place in the roof when the rock fell on him. He leaves a widow and six children.

July 27, 1907, Louis Tuvada, miner, aged 30 years, married, was killed by falling rock at the face of the room in which he was working in the Dering Coal Company's mine No. 2, Westville, Vermilion county. He leaves a widow and two children.

Aug. 2, 1907, James Lang, miner, aged 23 years, single, was killed by falling rock at the face of the room he was working in in the Kelly Coal Company's mine No. 42, Westville, Vermilion county. Deceased had placed a prop under this rock, and was mining off a shot under it, when he pulled down some of the coal. It struck the prop, knocking it out; he then picked the prop up and was in the act of replacing it when the rock fell, striking the prop, the prop in turn striking deceased, injuring him so that he died three hours later.

Sept. 3, 1907, Joe Torris, miner, aged 26 years, married, was killed by falling rock at the working face in Kelly Coal Company's No. 46 mine at Himrod, Vermilion county. He leaves a widow and two children.

Sept. 12, 1907, Ignatz Matulis, day man, aged 18 years, single, was crushed between mine cars and the rib in the Dering mine No. 2 at Westville, Vermilion county. He was injured so badly that he was taken to St. Elizabeth's hospital in Danville, where he remained and died Jan. 1, 1908.

Sept. 17, 1907, John Kaminski, miner, aged 51 years, married, was killed by falling slate at the face of his room in the Manufacturers & Consumers mine, Decatur, Macon county. He leaves a widow and three children.

Sept. 26, 1907, Herman Washer, driver, aged 25 years, married, was crushed between mine cars and the rib in the Kelly Coal Company's mine No. 44. He was removed to the hospital at Danville, where he died on the 7th of October, 1907. He leaves a widow and two children.

Oct. 8, 1907, John Tomashulas, miner, aged 35 years, married, was instantly killed by falling rock in the Kelly Coal Company's mine No. 46 at Himrod, Vermilion county. He leaves a widow and two children.

Nov. 11, 1907, Bronis Boluties, miner, aged 28 years, single, was killed by falling rock at the working face of his place in the No. 2 mine of the Dering Coal Company at Westville, Vermilion county.

Nov. 29, 1907, Joseph Bossufi, miner, aged 35 years, married, was killed by falling rock at the working face of his place in mine No. 3 of the Dering Coal Company at Steelton, Vermilion county. He leaves a widow.

Dec. 16, 1907, Alex Smith, miner, aged 35 years, single, was killed by falling rock at the working face of his place in mine No. 2 of the Dering Coal Company at Westville, Vermilion county.

Dec. 19, 1907, Anton Schatz, miner, aged 48 years, single, was killed by falling rock at the working face of his place in mine No. 46 of the Kelly Coal Company at Himrod, Vermilion county.

Jan. 27, 1908, Justin Gemis, miner, aged 40 years, single, was killed by falling rock at the working face of his place in mine No. 3 of the Dering Coal Company at Steelton, Vermilion county.

March 5, 1908, Louis Montibo, miner, aged 31 years, married, was killed by the explosion of a keg of powder. Deceased was preparing the powder for a shot; he filled one cartridge and stood it against the rib, his lamp lying on the bottom about four feet from him; the cartridge that was against the rib fell over towards the lamp, connecting the powder with the flame of the lamp, which in turn exploded the keg of powder in the hands of deceased, burning him so that he died a few hours afterwards. He leaves a widow and two children.

March 16, 1908, Joseph Miservich, miner, aged 35 years, married, was killed by falling rock at the working face of his place in mine No. 4 of the Dering Coal Company at Steelton, Vermilion county. He leaves a widow and two children.

Respectfully submitted,

THOS. MOSES,
State Inspector of Mines, Fifth District, Westville.

Fatal Casualties—Fifth District—July 1, 1908.

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	Widows.	Children.	Single.	Persons dependent.	Cause of Accident.
1907										
July 17	Frank Youbutis.....	30	Laborer.....	Westville.....				1		Falling rock.....
23	Joe Bodner.....	28	Miner.....	Himrod.....				1		do.....
25	Ignatz Rotkus.....	30	do.....	Westville.....				1		do.....
26	Fred Bednor.....	35	do.....	do.....	1	1	6	1		do.....
27	Louis Tuvada.....	30	do.....	do.....	1	1	2		3	do.....
Aug. 2	James Long.....	23	do.....	Kellyville.....				1		do.....
Sept. 3	Joe Torris.....	26	do.....	Danville.....	1	1	2		3	do.....
12	Iquatz Matulis.....	18	Laborer.....	Westville.....				1		Pit car and rib.....
17	John Kaminski.....	51	Miner.....	Decatur.....	1	1	3		1	Falling slate.....
26	Herman Washer.....	35	Driver.....	Danville.....	1	1	2		3	Pit car and rib.....
Oct. 8	John Tomasbulas.....	35	Miner.....	Himrod.....	1	1	2		3	Falling rock.....
Nov. 11	Bronis Boluites.....	28	do.....	Westville.....				1		do.....
29	Joseph Bossuffi.....	35	do.....	do.....	1	1			1	do.....
Dec. 16	Alex. Smith.....	35	do.....	do.....				1		do.....
19	Toney Schatz.....	48	do.....	Himrod.....				1		do.....
1908										
Jan. 27	Justin Gemis.....	40	do.....	Westville.....				1		do.....
Feb. 12	John Chimd.....	19	do.....	do.....				1		do.....
Mar. 5	Louis Montribo.....	31	do.....	do.....	1	1	2		3	Powder explosion.....
16	Joe Miservich.....	35	do.....	do.....	1	1	2		3	Falling rock.....
Total—19.....					9	9	21	10	27	

Recapitulation of Fatal Casualties—Fifth District—1908.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Danville.....	2	Drivers.....	1	Falling rock.....	15	Dering Coal Co.....	10
Decatur.....	1	Laborers.....	2	Falling slate.....	1	Kelley Coal Co.....	8
Himrod.....	3	Miners.....	16	Pit cars.....	2	Mfrs. & Consumers C. Co.....	1
Kelleyville.....	1			Powder explosion.....	1		
W stville.....	12						
Totals.....	19		19		19		19

Non-Fatal Casualties—Fifth District—July 1, 1908.

Date.	Name.	Age.	Residence. (Town.)	Married. Single	Children.	Number persons dependent.	Character of injury and Cause of Accident.	Time lost—days.
1907								
July	John Harrel	34	Westville	1	2	3	Back and legs injured, falling rock	60
17	John Roberts	45	do	1	6	7	Hip dislocated falling rock	40
24	A. M. Bushong	57	Danville	1	5	6	Leg broken, pit car	90
26	Alex. Holden	23	do	1	1		Ribs broken, fell from dump	30
27	Ambrose Casino	35	Westville	1	2	3	Head and hips injured, falling rock	90
Aug.	Joe Bender	28	do	1			Knee injured, pit car	40
17	Tom Kargar	24	do	1			Head injured, falling rock	30
19	Sam McDill	39	do	1			Finger cut off, pit car, and motor	40
19	William Saelonskis	27	do	1	1	2	Head injured, falling rock	40
Sept.	Stanley Wayonis	37	do	1		1	Leg broken, pit car	90
7	Steve Seon	35	do	1			Body burned, shot explosion	30
16	Chas. Lamport	43	do	1			Foot mashed, falling rock	35
16	James Morrow	43	Georgetown	1		1	Foot mashed, falling rock	40
18	Frank Nodousky	29	Westville	1			Leg broken, falling rock	70
19	Andrew Brown	42	Danville	1			Leg broken, falling rock	90
24	Charles Missnauce	27	do	1		1	Jaw broken, falling rock	56
25	Constant Dien	53	Kellyville	1	5	6	Back injured, falling rock	60
27	Toney Stawibroski	49	Himrod	1	3	4	Leg broken, falling rock	50
27	Frank Bodka	17	do	1			Legs and shoulder injured, falling rock	60
29	Andrew Biffe	33	do	1			Back injured, pit car	60
Oct.	Joe Bruetski	32	Grape Creek	1			Leg broken, falling rock	90
2	H. Zick	31	Decatur	1	2	3	Leg broken, falling rock	40
7	John Glovey	42	Danville	1	3	4	Finger mashed, falling rock	30
8	John Roscoski	31	Westville	1			Leg broken, falling rock	70
9	A. Lockart	22	Danville	1			Face injured, kicked by mule	30
24	John Tokach	24	Westville	1	1	2	Back injured, pit car	*
25	Theo. Yathovich	17	do	1			Arm and leg injured, falling rock	35
Nov.	Frank Turner		Decatur	1			Body burned, gas explosion	*
4	Christ Copsich	46	Decatur	1	4	5	Arm injured, falling coal	35
12	John Johosh	42	Kellyville	1	5	6	Arm crushed, falling rock	100
13	H. A. Jackson	49	Danville	1		1	Foot mashed, pit car	35
16	Otto Lakin	49	Georgetown	1			Leg broken, pit car	30
21	Steve Custraski	45	Westville	1			Back injured, falling rock	56
Dec.	Robt. McAdams	45	Spring Valley	1			Wrist broken, falling timber	42
9	T. J. Ford	45	Richland	1	2	3	Leg injured, falling rock	40
10	William Buck	32	Westville	1	4	5	Hips injured, falling rock	32
17	Joe Maliski	47	Grape Creek	1		1	Back and shoulder injured, falling rock	40
19	John Willson	49	Georgetown	1		1	Thumb cut off, drill press	40
20	Arnold Munof	45	Kellyville	1	2	3	Back injured, falling rock	40
23	Mike Rashimkus	35	Himrod	1			Back and legs injured, falling rock	70
30	Chas. Chatun	39	Westville	1		1	Skull fractured, falling rock	60
1908								
Jan.	E. Van Valkinburg	21	Danville	1			Arm injured, pit car	60
9	George Mamer	39	Georgetown	1	1	2	Ribs broken, falling rock	30
11	Louis Koepke	27	Westville	1	1	2	Wrist broken, pit car	40
15	Mike Andriatis	27	Himrod	1			Leg injured, falling rock	54
20	Peter Falcetti	42	Danville	1			Foot and arm injured, falling rock	56
24	Geo. Nopketis	21	Westville	1			Back injured, falling rock	50
31	Jacob Grase	54	Decatur	1		1	Shoulder injured, falling prop.	30
Feb.	Felix Snell	31	Westville	1	5	6	Leg broken, falling rock	60
1	John Bennett	34	do	1	1	2	Hips injured, pit car	35
1	Roy Hicks	21	Catlin	1			Foot injured, pit car	30
10	Chas. Gretsch		Decatur	1		1	Leg broken, falling coal	90
11	Fred. Swisher	23	Stilton	1	2	3	Hip injured, pit car	40
11	John Nevesdowski	26	Westville	1			Arm broken, pit car	92
14	Luther Mitchell	32	Danville	1			Shoulder injured, pit car	35
14	W. Harris	21	Decatur	1		1	Body burned, gas explosion	60
14	Jerry Ward	23	do	1	1	2	do	55
15	Louis Davis	49	Himrod	1	2	3	Back injured, falling rock	30
25	John Allison		Danville	1			do	*

Non-Fatal Casualties—Fifth District—Concluded.

Date.	Name.	Age.	Residence. (Town.)	Married	Single	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1908									
Feb. 27	Louis Moleski.....	40	Westville.....	1	..	5	6	Wrist broken, falling rock.....	60
Mar. 7	Mike Arnish.....	32	do.....	1	..	..	1	Leg broken, falling rock.....	70
16	Chas. Chocovitz.....	43	Decatur.....	1	..	4	5	Ankle dislocated, falling coal...	30
25	Mike Emery.....	45	Westville.....	1	..	4	5	Toes cut off, falling rock.....	30
May 19	Wm. Sadonskis.....	27	do.....	1	..	1	2	Head injured, falling rock.....	40
20	Felix Remakis.....	26	do.....	..	1	..	..	Hips and back injured, falling rock.....	50
29	Al. Hart.....	30	Kellyville.....	1	..	2	3	Head and side injured, pit car.	*
June 4	A. Duvall.....	..	Danville.....	1	..	..	1	Hips crushed, falling rock.....	*
10	E. Howrey.....	..	do.....	1	..	..	1	Ankle broken, falling rock.....	40
26	C. Hulet.....	..	do.....	..	1	..	..	Collar bone broken, falling rock	40
30	Lee Miller.....	37	Grape Creek....	1	..	5	6	Leg broken, pit car.....	60
	Totals.....	..	.....	45	25	81	121		

*Not recovered July 1, 1908.

Total number of men injured.....	70
Not recovered July 1, 1908.....	5
Number recovered July 1, 1908.....	65
Time lost by men recovered days.....	3,286
Average time lost by men recovered, days.....	50.55

Recapitulation of Non-Fatal Casualties—Fifth District—1908.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Catlin.....	1	Carpenter.....	1	Drill press.....	1	Decatur Coal Co.....	6
Danville.....	13	Day men.....	10	Falling coal.....	4	Dering Coal Co.....	28
Decatur.....	8	Driver.....	13	Falling rock.....	40	Electric Coal Co.....	4
Georgetown.....	4	Laborer.....	1	Falling timber.....	2	Kelley Coal Co.....	25
Grape Creek.....	3	Mine manager..	1	Fell from dump.....	1	Little Vermillion.....	3
Himrod.....	6	Miners.....	40	Gas explosion.....	3	Mfrs. & Con. Coal Co.....	3
Kellyville.....	4	Motorman.....	1	Kicked by mule.....	1	Mauck Bros.....	1
Richland.....	1	Shot firer.....	1	Pit cars and mule.....	1		
Spring Valley.....	1	Spragger.....	1	Pit cars.....	11		
Steelton.....	1	Timberman.....	1	Pit cars and motor.....	1		
Westville.....	28			Pit cars and rib.....	4		
				Shot explosion.....	1		
Totals.....	70		70		70		70

Recapitulation of Non-Fatal Casualties, Nature of Injuries, Conjugal Relations and Time Lost—Fifth District—1908.

NATURE OF INJURIES.	Number.	Married.	Single.	Children.	Dependents.	TIME LOST—DAYS.		Percent- age of injuries.
						Total.	Average.	
Ankles broken.....	1	1	.....	.....	1	40	40.00	1.43
Ankles dislocated.....	1	1	.....	4	5	30	30.00	1.43
Arms and legs injured.....	2	.....	2	.....	.....	91	45.50	2.86
Arms broken.....	5	4	1	11	14	334	66.80	7.14
Arms injured.....	2	1	1	4	5	95	47.50	2.86
Back, legs and shoulders injured..	5	2	3	2	4	280	56.00	7.14
Backs injured.....	8	5	3	10	14	296	49.33	11.42
Bodies burned.....	4	2	2	1	3	148	49.33	5.71
Collar bones broken.....	1	.....	1	.....	.....	40	40.00	1.43
Feet injured.....	4	2	2	.....	2	140	35.00	5.71
Fingers amputated.....	2	1	1	.....	1	80	40.00	2.86
Fingers injured.....	1	1	.....	3	4	30	30.00	1.43
Heads and bodies injured.....	2	2	.....	.....	6	90	90.00	2.86
Heads injured.....	5	3	2	2	5	200	40.00	7.14
Hips dislocated.....	1	1	.....	6	7	40	40.00	1.43
Jaws broken.....	1	1	.....	.....	1	56	56.00	1.43
Legs broken.....	14	11	3	20	29	900	68.23	20.00
Legs injured.....	6	4	2	9	13	241	40.17	8.57
Ribs fractured.....	2	1	1	1	2	60	30.00	2.86
Shoulders injured.....	2	1	1	.....	1	65	32.50	2.86
Toes amputated.....	1	1	.....	4	5	30	30.00	1.43
Totals, averages and percent- ages.....	70	45	25	81	122	3,286	50.55	100.00

Edgar County—Fifth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	John N. Wellman.....	Paris R. R. 10..	4,971			4,971

Mines reported for 1907, 1.
Mines in 1908, 1.

Macon County—Fifth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Manufactures & Consumers.....	Decatur.....	30,956	46,687	31,051	708,694
2	Decatur Coal Co. No. 2.....	do.....	17,911	31,470	12,075	61,456
3	Decatur Coal Co. No. 1.....	do.....	5,644	25,171	6,870	37,685
4	Decatur Coal Co., Niantic.....	Niantic.....	1,449	19,145	9,207	29,801
Totals.....			55,960	122,473	59,203	237,636

Mines reported for 1907, 5.
Abandoned mines, 1.
Mines in 1908, 4.

Edgar County—Fifth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—from solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$7,456	4,971	100	4	1	5	4,971	.....	.....	159	Solid...	W....	1

Macon County—Fifth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$152,280	34,588	74,106	213	98	65	163	83,434	1	3	396	U. C....	Pneu..	1
117,000	4,795	56,661	256	80	49	129	61,456	.....	4	.....	do....	do..	2
65,850	20,830	16,855	180	65	27	92	37,685	.....	1	.....	do....	do..	3
30,000	25,801	4,000	125	40	19	59	29,801	.....	1	1,831	Solid...	do..	4
\$365,130	86,014	151,622	194	283	160	443	212,376	1	9	2,227			

Vermilion County—Fifth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Kelly Coal Co., No. 44.....	Westville.....	191,084	143,311	96,231	430,626
2	Dering Coal Co. No. 2.....	do.....		152,075	228,112	380,187
3	Little Vermilion Coal Co. No. 1.....	Georgetown.....	183,193	86,925	60,224	330,342
4	Dering Coal Co., No. 3.....	Westville.....	313,089		4,200	317,289
5	Dering Coal Co. No. 4.....	do.....	77,779	80,776	43,388	201,943
6	Kelly Coal Co. No. 45.....	do.....	163,392	19,152	1,860	184,404
7	Kelly Coal Co. No. 42.....	do.....	89,496	71,864	19,605	180,965
8	Kelly Coal Co. No. 46.....	Himrod.....	44,338	43,126	61,369	148,833
9	E. S. Gray Coal Co. No. 4.....	Oakwood.....	27,172	45,758	35,738	108,668
10	Electric Coal Co.....	Hillery.....	22,136	34,989	16,596	73,721
11	Tilton Coal Co.....	Vandercook.....	42,205			42,205
12	Oakwood Coal Co.....	Oakwood.....	12,000	8,000	16,000	36,000
13	Frank Davis.....	Muncie.....	12,199	5,000	450	17,649
14	Danville Collieries Co.....	Catlin.....	5,000	4,000	6,000	15,000
Totals.....			1,183,083	694,976	589,773	2,467,832
LOCAL MINES.						
1	Reiley & Doughty.....	Danville.....	57,069			57,069
2	Danville Consumers Co.....	do.....	10,895	8,864	4,703	24,462
3	Daniel A. Jenkins.....	do.....	6,800	4,000	2,800	13,600
4	Mauck Bros.....	do.....	12,800			12,800
5	Wm. J. Watkins.....	do.....	6,050	4,000	2,000	12,050
6	George H. Haskins.....	Grape Creek.....	5,713	3,800	1,913	11,426
7	Sharon Coal & Brick Co.....	Georgetown.....	580	4,594	2,621	7,795
8	L. S. Miller.....	Danville.....	6,000			6,000
9	August Olson.....	Grape Creek.....	2,500	1,800	700	5,000
10	W. F. Crawford & Sons.....	Collison.....		4,000	1,000	5,000
11	Joe Mauck.....	Danville.....	5,000			5,000
12	Frauce Bros.....	Fairmount.....	2,381	1,889	246	4,516
13	John Aldredge.....	Danville.....	4,200			4,200
14	Bunting Bros.....	do.....	3,280			3,280
15	M. C. Wilkinson.....	do.....	2,500			2,500
16	A. L. Polhenms.....	do.....	300	1,200	600	2,100
17	B. & C. Spangler.....	do.....	2,000			2,000
18	Lorenzo Balduchy.....	Fairmount.....	2,000			2,000
19	Jordon Coal Co.....	do.....	3,600			3,600
20	Charles Wenhaus.....	Danville.....	1,500			1,500
21	Andrew Fredrickson.....	do.....	1,300			1,300
22	William Hamilton & Son.....	Grape Creek.....	1,430	150	100	1,680
23	Samuel Thomas.....	Catlin.....		852	180	1,032
24	Samuel Swisher.....	Danville.....	200	200		400
25	Henry Young.....	do.....	120	48	72	240
26	Bishop, Chrisman & Blaking.....	Grape Creek.....		200		200
27	Kilby & Martin.....	do.....		80		80
28	L. E. Baker.....	Oakwood.....	800	300		1,100
Totals.....			139,018	35,977	16,935	191,930
Totals—42 mines.....			1,322,101	730,953	606,708	2,659,762

Mines reported for 1907, 59.

New mines, 3.

Abandoned mines, 20

Mines in 1908, 42.

Vermilion County—Fifth District—Continued.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYEES.			Tons mined by hand	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$422,011	424,596	6,050	235	500	150	650	430,626	2	13	14,122	Solid...	Pneu.	1
353,574	375,337	4,800	260	232	119	351	330,187	5	15	14,296	do...	do.	2
320,000	327,001	3,341	242	329	90	419	305,645		3	11,061	do...	do.	3
295,379	313,039	4,200	255	229	100	329	317,239	2	7	13,814	do...	do.	4
187,807	193,943	3,000	218	149	86	235	201,943	3	6	8,330	do...	do.	5
177,028	181,320	3,034	225	225	95	320	184,404		4	6,972	do...	do.	6
180,965	169,493	11,472	214	200	106	306	180,965	3	3	8,928	do...	do.	7
144,363	144,439	4,394	135	350	165	515	148,833	3	5	4,067	do...	do.	8
104,320	105,758	2,910	253	85	44	129	108,668		4	4,103	do...	W.	9
84,393	48,580	25,141	234	80	41	121	73,721		4	3,000	do...	Pneu.	10
40,552	42,205		233	55	10	65	42,202			1,816	do...	W.	11
36,000	34,400	1,600	164	45	12	57	36,000			1,600	do...	Pneu.	12
23,419	10,319	7,330	150	20	6	26	17,649			845	do...	do.	13
15,400	11,000	4,000	100	70	11	81	15,000			600	do...	do.	14
\$2,385,216	2,386,530	81,302	209	2,569	1,035	3,604	2,443,135	18	60	93,554			
\$57,069	57,069	309	40	20	60	57,069	1,357			Solid...			1
25,502	24,462	280	25		25	24,462	600			do...			2
22,100	13,600	203	6	4	10	13,600	390			do...			3
20,235	12,800	230	10	4	14	12,800	366	1		do...			4
17,825	12,050	250	12	3	15	12,050	312			do...			5
13,793	11,426	210	10	4	14	11,426	350			do...			6
12,842	7,795	187	14	7	21	7,795	332			do...			7
6,000	6,000	125	4	2	6	6,000	60			do...			8
5,925	5,000	128	8	1	9	5,000	143			do...			9
8,000	5,000	200	10	3	13	5,000	140			do...	Pneu.		10
6,250	5,000	190	9	2	11	5,000	147			do...			11
5,603	4,516	57	8	2	10	4,516	130			do...			12
5,250	4,230	140	5	7	12	4,230	130			do...			13
3,936	3,230	244	8	3	11	3,230	109			do...			14
3,125	2,500	125	5	1	6	2,500	75			do...			15
2,935	2,103	230	5	1	6	2,103	46			do...			16
3,000	2,003	200	8	2	10	2,003	40			do...			17
2,500	2,000	200	7	1	8	2,000	150			do...			18
4,500	3,600	75	4	3	7	3,600	144			do...			19
2,250	1,500	225	4	1	5	1,500				do...			20
1,625	1,300	225	3	1	4	1,300	52			do...			21
2,295	1,680	180	5	4	9	1,680	48			do...			22
1,245	1,082	170	3	1	4	1,082	35			do...			23
600	400	180	1	1	2	400	12			do...			24
247	240	125	2	1	3	240	10			do...			25
300	230	123	2	1	3	200	20			do...			26
123	80	90	2	2	4	80	5			do...			27
1,500	1,100	116	2	1	3	1,100	40			do...			28
\$236,632	191,930	177	223	82	305	191,930	4,243						
\$2,621,843	2,386,530	273,232	2,792	1,117	3,909	2,635,065	18	61	97,797				

Shipping Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Macon.....	4	55,960	122,473	.....	25,253	24,794	9,156	237,636	\$1.537
Vermilion.....	14	1,183,083	694,976	13,662	127,767	434,355	13,989	2,467,832	0.967
Total.....	18	1,239,043	817,449	13,662	153,020	459,149	23,145	2,705,468	\$1.017

Local Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Edgar.....	1	4,971	.....	.....	.....	.....	.....	4,971	\$1.50
Vermilion.....	28	139,018	35,977	.....	6,639	10,296	.....	191,930	1.233
Total.....	29	143,989	35,977	.....	6,639	10,296	.....	196,901	\$1.240
Grand total.....	47	1,383,032	853,426	13,662	159,659	469,445	23,145	2,902,369	.....

Whole number of mines reported in 1907, 65.

Number of new mines opened during the year, 3.

Number of mines abandoned during the year, 21.

Whole number of mines reported in 1908, 47.

Counties—Fifth District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.						Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.			
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.					All above ground.			Total.	From solid—Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.									
86,014	151,622	194	283	120	6	34	443	212,376	2,227	29,801	207,835	.....	
2,386,530	81,302	209	2,569	795	68	172	3,604	2,443,135	93,554	2,467,832	.....	.....
2,472,544	232,924	205	2,852	915	74	206	4,047	2,655,511	95,781	2,497,633	207,835	.....	

Counties—Fifth District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.						Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.	From solid—Tons.			Undercut—Tons.	Both methods—Tons.	
			Miners.	Others.	Boys.								
.....	4,971	100	4	.....	.....	1	5	4,971	159	4,971	.....	.....	.....
.....	191,930	177	223	30	1	51	305	191,930	4,243	191,930	.....	.....	.....
.....	196,901	174	227	30	1	52	310	196,901	4,402	196,901	.....	.....	.....
2,472,544	429,825	....	3,079	945	75	258	4,357	2,852,411	100,183	2,694,534	207,835	.....	.....

SIXTH INSPECTION DISTRICT—1908.

THIRD ANNUAL REPORT.

Counties: Brown, Cass, Logan, Menard, Morgan, Sangamon, Schuyler.

Hon. David Ross, Secretary State Bureau of Labor Statistics, Springfield, Ill.:

SIR—In compliance with the statute of the State, defining the duties of the State inspectors of coal mines, I have the honor to submit the third annual report of the coal mines in the sixth district for the year ending June 30, 1908. The tabular statements contained in this report give the number of mines, miners and all other employes; the total tonnage of all grades of coal; the estimated aggregate value of the total output; the number of fatal and non-fatal casualties; the number of kegs of powder used and a description of the plants.

The main features of coal mines in the district are presented in the following summary:

Number of mines	71
Number of new mines	3
Number of abandoned mines	3
Number of shipping mines	46
Number of local mines	25
Total tons produced, all grades.....	5,923,197
Total tons, mine run	1,450,796
Total tons of lump	2,511,337
Total tons, all other grades	1,961,064
Aggregate value total product	\$5,794,889
Total tons delivered at mine for shipment.....	5,254,418
Tons delivered at chutes to locomotives.....	113,832
Tons sold to local trade	342,420
Tons consumed and wasted at mines.....	212,527
Tons mined by hand	5,176,615
Tons mined by machine	746,582
Average days of operation, shipping mines.....	190
Number of machines in use	31
Number of miners	5,510
Number of other employes underground	1,593
Number of boys underground	233
Number of employes on surface	708
Total number of employes	8,044
Number of fatal accidents	18
Number of non-fatal accidents.....	57
Number of tons mined to each fatal accident.....	329,067
Number of tons mined to each non-fatal accident.....	103,916
Ratio of persons killed to each 1000 employed.....	2.2
Number of kegs of powder used	268,540
Average value per ton all grades of coal at shipping mines.....	\$0.973

A comparative showing is presented of the output of coal in each county for the years 1907 and 1908, with the increase and decrease in tonnage as follows:

COUNTIES.	TOTAL PRODUCT, ALL GRADES OF COAL.		Increase.	Decrease.
	1907	1908		
Brown.....	380	400	20	
Cass.....	1,625	800		825
Logan.....	478,015	430,010		48,005
Menard.....	403,896	397,526		6,370
Sangamon.....	4,876,621	5,082,626	206,005	
Schuyler.....	17,222	11,835		5,387
Totals.....	5,777,759	5,923,197	206,025	60,587
Net increase.....			145,438	

Sangamon county shows a gain in output over last year of 206,005 tons, while Cass, Logan, Menard and Schuyler show an aggregate loss of 60,587 tons, reducing the gain in the district to 145,438 tons.

IMPROVEMENTS.

There have been several improvements in the district during the past year. The Capital Coal Company, Springfield, has put in a new steam fan which has considerably increased the ventilation in the mine. The Lincoln Park Coal Company, Springfield, has enlarged the hoisting shaft of its mine and retimbered the same. The Standard Wash Coal Company, R. R. No. 8, Sangamon county, has installed a new boiler which will improve the condition at this mine.

There have been many other improvements of the ventilation of mines throughout the district.

ENFORCEMENT OF THE MINING LAW.

During the year several operators in this district have been fined by the courts for neglecting to file maps of their mines as required by law. Several miners have also been fined for opening powder kegs with picks in direct violation of the law. A shot-firer at Lincoln was prosecuted and fined for firing shots before the men had left their working places, and for giving a miner a squib with which to light his own shot.

I have experienced a great deal of trouble in enforcing the law relative to technical points, which have arisen more especially with the proviso in section 8 that there is no punishment for the offender for the first offense, when, by the first violation of the law, the violator may cause the death of several men. If such should occur, all that could be done under the present law is to warn the offenders not to repeat the offense.

FATAL CASUALTIES.

July 2, 1907, Dan Cain, trapper, aged 17 years, was killed in the Sherman mine of the Illinois Midland Coal Company. The driver had just passed with a trip of loaded cars, when Cain walked into the middle of the track, not being aware that one car had been detached, and was following the trip. This car knocked Cain down, dragging him some eighteen feet, causing his death.

July 5, 1907. Wenzell Ludzka, miner, aged 28 years, married, was killed in a mine of the Citizens Coal Mining Company, Sangamon county. Deceased was in the act of taking powder out of his kegs when a spark from his lamp ignited the powder, the explosion causing his death. He leaves a widow and one child.

Aug. 11, 1907, Edward Pierce, miner, aged 65 years, married, was killed in the No. 3 mine of the Springfield Coal Mining Co. at Starns. Deceased was riding into his work, with other men, when a piece of cap rock fell out of a slip, striking him and breaking his neck. He leaves a widow.

Sept. 3, 1907, Edward Beneky, aged 36 years, married, was killed in No. 8 mine of the Illinois Collieries Company, Springfield. Deceased was walking along the main entry to reach his working place, when suddenly some falling slate, about sixteen tons, caught him, completely burying him underneath. He leaves a widow.

Sept. 27, 1907, John Row, shot-firer, aged 34 years, married, was killed in the mine of the Black Diamond Coal Company at Auburn. His death was caused by a shot blowing through a cross-cut, between two entries. The pillar at this point was 17 feet thick; about 10 feet had been taken out of the cross-cut in the back entry; there was also a shot in the cross-cut in the front entry which he or his brother had lighted. Deceased and his brother had gone into the back entry, and were fixing shots to be fired there, when the shot from the front entry blew through, killing John and just slightly scratching his brother's face. Deceased leaves a widow and one child.

Sept. 28, 1907, John Adamities, miner, aged 32 years, married, lost his life in the mine of the Illinois Midland Coal Company, Springfield. Deceased stuck his pick into a keg of powder to open it; the powder was ignited and exploded, burning him to death. He leaves a widow and four children.

Oct. 4, 1907, Silas Webb, driver, aged 21 years, single, lost his life in the mine of the Tuxhorn Coal Company, Keyes. Deceased was riding on top of a loaded car, his head was caught by a cross-bar.

Oct. 28, 1907, Valentine Lepusbetz, miner, aged 36 years, married, was killed under very strange conditions in the mine of the Citizens Coal Mining Company at Lincoln. In my investigation of this case it was found that the shot-firer had begun firing the shots in the mine one hour before the proper firing time, and while the miners were still in the mine. In questioning Oscar Menzel, the shot-firer, in regard to the cause of Lepusbetz's death, he said that the man came out onto the entry and asked him for a squib to light his shot; that he gave Lepusbetz a squib; that afterwards he went into the man's room, after the shot had exploded, and found deceased lying on the gob with the back of his head fractured. He leaves a widow and one child.

Nov. 20, 1907, John King, top laborer, aged 19 years, single, was killed in the mine of the Illinois Midland Coal Company at Sherman. Deceased was caught and crushed between a railroad box car and box car loader.

Dec. 8, 1907, Albert Krechley, driver, aged 22 years, single, was killed in mine No. 2 of the Springfield Coal Mining Company at Riverton. Deceased accidentally fell in front of a moving empty pit car, which ran over him, breaking his neck.

Dec. 10, 1907, Joseph Kasulas, miner, aged 35 years, married, was killed in the No. 2 mine of the Sangamon Coal Company, Springfield. Deceased was burned by exploding powder.

The statement made by others at the time of the accident was that he was trying a piece of fuse to see if it was good, and that it fired some powder that was in a powder can; his can did not show any signs of being burned. However, a few days after the accident, a powder keg was found near the place in which was a hole evidently made with a pick, the keg having been burst open by the explosion of the powder. Deceased leaves a widow and one child.

Dec. 17, 1907, John Wanshor, shot-firer, aged 24 years, single, was killed in the mine of the Lincoln Mining Company, Lincoln. Deceased went back to examine a shot before it had exploded. The shot-firers were using both sulphur and gas squibs. His partner informed me that he had just passed the switch and that deceased had not had time to place another squib in the hole when he saw Wanshor blown against the rib of the entry, a distance of thirty feet.

Jan. 20, 1908, Joseph Delard, miner, aged 31 years, married, was killed in the mine of the Woodside Coal Company, Woodside, by falling slate. He leaves a widow.

Jan. 25, 1908, Thomas Staley, shot-firer, aged 31 years, married, was killed in the Sherman mine of the Illinois Midland Coal Company by a shot blowing through the rib; he had lighted a shot in one room and was in the act of lighting the shots in the next room when the first shot exploded, blowing through the rib. He leaves a widow and three children.

March 4, 1908, Antoney Judusky, miner, aged 38 years, single, was killed in the mine of the Jones & Adams Coal Company, Springfield. Deceased was in the act of filling a powder can from his powder keg when, in some manner, the powder exploded, causing his death.

March 20, 1908, W. D. Shreever, miner, aged 45 years, married, was fatally injured by falling clod while loading a car in the No. 2 mine of the Illinois Collieries Company at Auburn.

March 26, 1908, Edward Lucian, driver, aged 19 years, was found dead under his trip of cars; the car wheels had passed over his neck.

Respectfully submitted,

THOMAS HANNA,

State Inspector of Mines, Sixth District.

Fatal Casualties—Sixth District—July 1, 1908.

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	Widows.	Children.	Single.	Persons dependent.	Cause of Accident.
1907										
July 2	Dan Cain.....	17	Trapper.....	Springfield.....	1	1	1	1		Pit car.....
5	Wenzell Ludzki.....	28	Miner.....	do.....	1	1	1	1	2	Powder explosion.....
Aug. 11	Edward Pierce.....	65	do.....	do.....	1	1	1	1	1	Falling rock.....
Sept. 3	Joe Beneky.....	36	do.....	do.....	1	1	1	1	1	Falling slate.....
27	John Rowe.....	34	Shot firer.....	Auburn.....	1	1	1	1	2	Shot blown through rib.....
28	John Adamities.....	32	Miner.....	Springfield.....	1	1	4	1	5	Powder explosion.....
Oct. 4	Silas Webb.....	21	Driver.....	Keys.....	1	1	1	1	1	Pit car.....
28	Valentine Lepusbetz.....	36	Miner.....	Lincoln.....	1	1	1	1	2	Blast explosion.....
Nov. 18	Alfred Sebastian.....	22	do.....	Keys.....	1	1	1	1	1	Powder explosion.....
20	John King.....	19	Laborer.....	Sherman.....	1	1	1	1	1	Railroad car.....
Dec. 8	Albert Krechley.....	22	Driver.....	Riverton.....	1	1	1	1	1	Pit car.....
10	Joseph Kasulas.....	35	Miner.....	Springfield.....	1	1	1	1	2	Powder explosion.....
17	John Wanshan.....	24	Shot firer.....	Lincoln.....	1	1	1	1	1	Premature blast.....
1908										
Jan. 21	Joseph Delard.....	31	Miner.....	Springfield.....	1	1	1	1	1	Falling slate.....
25	Thomas Staley.....	51	Shot firer.....	do.....	1	1	3	1	4	Shot blown through rib.....
Mar. 4	Antoney Udiski.....	38	Miner.....	do.....	1	1	4	1	1	Powder explosion.....
24	W. D. Shreave.....	45	do.....	Auburn.....	1	1	4	1	5	Falling clod.....
26	Edward Lucian.....	19	Driver.....	Springfield.....	1	1	1	1	1	Pit car.....
	Total—18.....				10	10	15	8	25	

Recapitulation of Fatal Casualties—Sixth District—1908.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Auburn.....	2	Drivers.....	3	Blast explosion.....	1	Black Diamond Coal Co....	1
Keys.....	2	Laborers.....	1	Falling clod.....	1	Citizens' Coal Mining Co....	2
Lincoln.....	2	Miners.....	10	Falling rock.....	1	Illinois Colliery Co.....	2
Riverton.....	1	Shot firer.....	3	Falling slate.....	2	Illinois Midland Coal Co....	4
Sherman.....	1	Trapper.....	1	Pit cars.....	4	Jones & Adams Coal Co....	1
Springfield.....	10			Powder explosion.....	5	Lincoln Coal Mining Co....	1
				Premature blast.....	1	Sangamon Coal Co.....	1
				Railroad cars.....	1	Springfield Coal M. Co....	2
				Shot blown through rib.....	2	Springfield Coöperative Co..	1
						Tuxhorn Coal Co.....	2
						Woodside Coal Co.....	1
Totals.....	18		18		18		18

Non-Fatal Casualties—Sixth District—July 1, 1908.

Date.	Name.	Age.	Residence. (Town.)	Married. Single.	Children.	Number persons dependent	Character of Injury and Cause of Accident.	Time lost—days.
1907								
July 13	Samue Baker.....	38	Auburn.....	1	.....	.....	Hip dislocated, pit car.....	92
18	Bert S. Crovlin.....	23	Springfield.....	1	.....	.....	Hips injured, pit car.....	32
20	Otto Graber.....	25	do.....	1	2	3	Body burned, powder explosion	30
22	Joseph Eslick.....	42	Auburn.....	1	.....	.....	Back injured, throwing slate.....	85
27	Joseph Davis.....	40	Divernon.....	1	.....	.....	Knee bruised, pit car.....	50
27	James Shearer.....	58	Thayer.....	1	.....	.....	Ankle sprained, fell into sump.....	60
Aug. 3	Charles Gosi.....	50	Riverton.....	1	.....	1	Foot injured, falling slate.....	32
22	Archie Hertel.....	24	Spaulding.....	1	.....	.....	Ankle broken, pit car.....	30
24	Harry Goddard.....	25	Springfield.....	1	2	3	Foot mashed, pit car.....	30
Sept. 12	J. J. Farral.....	39	do.....	1	2	3	Leg broken, falling slate.....	240
12	Ernest Derihins.....	34	Lincoln.....	1	3	4	Head injur. d, flying coal.....	42
26	Chas. Merrill.....	28	Auburn.....	1	.....	.....	Finger broken, dump hook.....	40
Oct. 12	Albert Barry.....	20	Athens.....	1	.....	.....	Hand bruised, falling coal.....	33
12	Erne Troger.....	17	do.....	1	.....	.....	Leg broken, pit car.....	35
23	John Gorriu.....	40	Springfield.....	1	2	3	Head injured, falling coal.....	36
23	William Medill.....	24	Sherman.....	1	.....	.....	Toes cut, ankle bruised, mule stepped on him.....	39
24	William Docherty.....	18	Springfield.....	1	.....	.....	Ankle crushed, falling coal.....	99
Nov. 10	Joe Stoner.....	28	do.....	1	.....	1	Eye injured, flying coal.....	35
18	Henry Gray.....	50	Cantrall.....	1	5	7	Back bruised, falling coal.....	120
26	Walter Harding.....	25	Riverton.....	1	.....	.....	Foot mashed, pit car.....	30
26	Anton Wabals.....	35	Thayer.....	1	3	4	Hands and face burned, powder explosion.....	40
27	Phil Digenolows.....	20	Riverton.....	1	.....	.....	Head injured, pit car.....	37
30	George Trojak.....	19	Thayer.....	1	.....	.....	Leg injured, pit car.....	45
Dec. 2	James Shearer.....	58	do.....	1	.....	.....	Body injured, falling coal.....	40
4	Preston Brown.....	40	Riverton.....	1	.....	1	Leg broken, falling slate.....	43
4	W. Homer.....	21	Athens.....	1	.....	.....	Collar bone broken.....	55
23	Ed. Lewis.....	26	Springfield.....	1	2	3	Back injured, pit car.....	60
23	F Liveschen.....	32	Divernon.....	1	2	3	Thumb mashed, mining mach.....	30
26	James Smith.....	30	Bissell.....	1	.....	.....	Finger mashed, pit car.....	32
1908								
Jan. 3	J. Pricci.....	35	Divernon.....	1	.....	.....	Foot cut off, motor.....	*
6	Robert Tricker.....	30	Springfield.....	1	3	4	Foot mashed, pit car.....	60
13	John Humm.....	37	Lincoln.....	1	4	5	Hips dislocated, falling coal.....	30
18	Cresse Otetott.....	25	Athens.....	1	.....	.....	Wrist broken, fell from car.....	32
24	Gustave Johnson.....	46	Petersburg.....	1	3	4	Thigh broken, premature blast.....	120
Feb. 6	Owen Squires.....	19	Divernon.....	1	.....	.....	Leg broken, falling coal.....	44
7	George Weissing.....	20	Springfield.....	1	.....	.....	Foot bruised, pit car.....	36
10	Chas. Gretch.....	40	Decatur.....	1	2	3	Leg broken, falling coal.....	30
16	Joe Barnes.....	22	Athens.....	1	.....	.....	Foot bruised, pit car.....	60
25	Constant Daco.....	60	Auburn.....	1	.....	.....	Face and hands burned, blast explosion.....	100
28	George Bartlett.....	30	Sherman.....	1	.....	.....	Ankle bruised, pit car.....	30
Mar. 2	Joseph Denard.....	27	Springfield.....	1	1	2	Face burned, powder explosion.....	35
2	Frank Androsak.....	42	Auburn.....	1	3	4	Ribs fractured, falling coal.....	30
10	Ben Trout.....	29	Springfield.....	1	.....	.....	Skull fractured, pit car.....	30
13	Paul Stickel.....	25	do.....	1	.....	.....	Hips bruised, pit car.....	55
16	A. Poindexter.....	24	Hopkinsville K.....	1	.....	.....	Ankle injured, pit car.....	30
23	Theo. Mackensy.....	23	Mt. Pulaski.....	1	.....	.....	Back injured, falling rock.....	30
24	Roy Schreve.....	19	Auburn.....	1	.....	.....	Leg broken, falling coal.....	30
25	S. Upscott.....	25	Springfield.....	1	.....	.....	Shoulder injured, pit car.....	30
30	Dan Griffiths.....	23	Divernon.....	1	.....	.....	Hip broken, pit car.....	34
30	John Lindsay.....	38	Sherman.....	1	.....	.....	Arm broken, pit car and roof.....	*
Apr. 28	Louis Scott.....	29	Springfield.....	1	2	3	Face, side and arm injured, shot explosion.....	35

Non-Fatal Casualties—Sixth District—Concluded.

Date.	Name.	Age.	Residence. (Town.)	Married.	Single.	Children.	Number persons dependents.	Character of Injury and Cause of Accident.	Time lost—days.
1908									
May 22	John Davis.....	23	Divernon.....	1	..	..	1	Body burned, powder explosion	*
27	Paul Polloz.....	24	Mechanicsburg..	1	..	..	..	Rib broken, falling slate.....	*
27	John Myers.....	40	Virden.....	1	..	4	5	Body injured, fell over switch lever.....	30
June 9	Andy Mamer.....	22	Divernon.....	1	..	..	..	Knee fractured, flying coal.....	30
13	T. J. Helms.....	68	Lincoln.....	1	..	..	..	Leg broken, falling rock.....	60
27	Matthew Sunnen.....	53	Thayer.....	1	..	2	3	Leg broken, falling coal.....	30
	Total.....			31	26	47	74		

*Not recovered July 1, 1908.

Total number of men injured.....	57
Number not recovered July 1, 1908.....	4
Number recovered July 1, 1908.....	53
Total time lost by men recovered, days.....	2,603
Average time lost by men recovered, days.....	49.11

Recapitulation Non-Fatal Accidents—Sixth District—1908.

Residence.	No	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Athens.....	4	Bellman.....	1	Blast explosion.....	1	Athens Mining Co.....	3
Auburn.....	6	Car trimmer....	1	Dump hook.....	1	Auburn & Allen Coal Co...	1
Decatur.....	1	Cager.....	2	Falling coal.....	11	Barclay Coal Co.....	1
Divernon.....	7	Drivers.....	15	Falling rock.....	2	Black Diamond Coal Co...	1
Greenville.....	1	Foreman.....	1	Falling slate.....	4	Cantral Coöperative C. Co...	1
Lincoln.....	4	Loaders.....	2	Fell from car.....	1	Capitol Coal Co.....	3
Mechanicsburg..	1	Machine help..	1	Fell in sump.....	1	Chicago-Springfield C. Co...	1
Mt. Pulaski.....	1	Mach. runner..	1	Fell over switch lever	1	Chi., Wiln. & Ver. C. Co...	5
Petersburg.....	1	Mine manager..	1	Flying coal.....	2	Citizens Coal Mining Co...	7
Riverton.....	4	Miners.....	19	Mining machine.....	1	Illinois Collieries Co.....	7
Sherman.....	3	Mine examiner.	1	Motor.....	1	Illinois Midland Coal Co...	4
Springfield.....	17	Shot firers....	3	Mule.....	1	Madison Coal Corporation..	9
Thayer.....	5	Spraggers.....	2	Pit cars.....	22	Mechanicsburg Coal Co...	1
Virden.....	1	Timbermen.....	2	Powder explosion...	4	Mutual Coal Co.....	1
Hopkinsville, Ky	1	Trapper.....	3	Premature blast.....	1	Spring Creek Coal Co.....	2
		Trip rider.....	1	Shot explosion.....	1	Springfield Coal M. Co.....	4
		Trackman.....	1	Throwing slate.....	1	South Mountain Coal Co...	1
				Not stated.....	1	Standard Washed Coal Co..	1
						Tuxhorn Coal Co.....	1
						Woodside Coal Co.....	3
Totals.....	57		57		57		57

Recapitulation of Non-Fatal Casualties, Nature of Injuries, Conjugal Relations and Time Lost—Sixth District—June 30, 1908.

NATURE OF INJURIES.	Number.	Married.	Single.	Children.	Dependents.	TIME LOST—DAYS.		Percentage of injuries.
						Total.	Average.	
Ankles broken.....	2	.....	2	.....	.....	129	64.50	3.51
Ankles injured.....	3	1	2	.....	1	120	40.00	5.26
Arms broken.....	3	.....	2	.....	.....	66	33.00	3.51
Backs injured.....	4	3	1	7	10	295	73.75	7.03
Bodies burned.....	2	2	.....	2	4	30	30.00	3.51
Bodies injured.....	2	1	1	4	5	70	35.00	3.51
Collarbones broken.....	1	.....	1	.....	.....	55	55.00	1.75
Eyes injured.....	1	1	.....	.....	1	35	35.00	1.75
Face and hands burned.....	2	2	.....	3	5	140	70.00	3.51
Face burned.....	1	1	.....	1	2	35	35.00	1.75
Face, sides and arms injured.....	1	1	.....	2	3	35	35.00	1.75
Fingers broken.....	1	1	.....	.....	.....	40	40.00	1.75
Fingers injured.....	1	1	.....	.....	.....	32	32.00	1.75
Foot cut off.....	1	.....	1	.....	.....	.....	.....	1.75
Foot injured.....	6	5	1	5	9	248	41.33	10.53
Hands injured.....	1	.....	1	.....	.....	33	33.00	1.76
Heads injured.....	4	3	1	5	8	145	36.25	7.03
Hips injured.....	2	.....	2	.....	.....	87	43.50	3.51
Hips dislocated.....	2	2	.....	4	5	122	61.00	3.51
Hips fractured.....	2	1	1	3	4	120	120.00	3.52
Knees bruised.....	2	.....	2	.....	.....	80	40.00	3.51
Legs broken.....	8	4	4	6	10	512	64.00	14.04
Legs injured.....	1	.....	1	.....	.....	45	45.00	1.75
Shoulders injured.....	1	.....	1	.....	.....	30	30.00	1.75
Ribs broken.....	2	1	1	3	4	30	30.00	3.51
Thumb mashed.....	1	1	.....	2	3	30	39.00	1.75
Toes cut and ankle bruised.....	1	.....	1	.....	.....	39	39.00	1.75
Totals.....	57	31	26	47	74	2,603	49.11	100.00

Brown County—Sixth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address. of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
	LOCAL MINES.					
1	M. F. Bates.....	Mt. Sterling....	300			300
2	Ed Six.....	do.....	100			100
	Totals.....		400			400

Mines reported for 1907, 2.

Mines in 1908, 2.

Cass County—Sixth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address. of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
	LOCAL MINES.					
1	William Shore.....	Chandlerville....		800		800

Mines reported for 1907, 2.

Abandoned mines, 1.

Mines in 1908, 1.

Brown County—Sixth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYEES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employé's.	Total.		Killed.	Injured.				
450		300	100	2	.....	2	300	.....	.....	7	.....	.....	12
260		100	125	1	.....	1	100	.....	.....	3	.....	.....
710		400	113	3	.....	3	400	.....	.....	10	.....	.....

Cass County—Sixth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYEES.			Tons mined by hand.	ACCIDENT.		Powder used for blasting coal	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employé's.	Total.		Killed.	Injured.				
2,000		800	200	3	2	5	800	.....	.....	20	.....	.....	1

Logan County—Sixth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address. of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Latham Coal Co.....	Lincoln.....	43,251	92,590	63,179	199,020
2	Citizens Coal Mining Co.....	do.....	33,515	39,242	46,483	119,240
3	Lincoln Mining Co.....	do.....	10,000	60,000	29,298	99,298
4	Mutual Coal Co.....	Mt. Pulaski.....		7,472	4,980	12,452
Totals.....			86,766	199,304	143,940	430,010

Mines reported for 1907, 4.

Mines in 1908, 4.

Logan County—Sixth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENT.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
224,449	171,890	27,130	185	265	135	406	199,020	.....	.....	9,875	Solid...	Pneu.	1
102,000	72,276	46,964	169	104	84	188	119,240	1	4	5,780	.....	do..	12
107,000	69,298	30,000	171	95	44	139	99,298	1	.....	4,000	.....	do..	3
16,188	1,549	10,903	217	25	9	34	12,452	.....	1	946	.....	W....	4
449,637	315,013	114,997	186	459	272	761	430,010	2	5	20,601			

Menard County—Sixth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Middletown Coal Co., No. 1.....	Middletown.....	65,859	21,957	87,816	
2	Athens Mining Co., No. 2.....	Athens.....	31,305	33,154	21,719	86,178
3	Wabash Coal Co., No. 2.....	do.....	17,103	31,261	16,930	65,294
4	South Mountain Coal Co., No 1.....	Petersburg.....	23,528	5,164	10,826	39,518
5	Peoples Coal Mining Co., No. 1.....	Tice.....	19,193	7,895	7,124	34,212
6	Tallula Coal Co., Talula.....	Tallula.....	23,765	5,169	2,650	31,584
7	Greenview Coal Co., No. 1.....	Greenview.....	280	9,246	6,556	16,082
8	Manchester Coal Co., Junction.....	Petersburg.....	5,000	3,000	2,000	10,000
Totals.....			120,174	160,748	89,762	370,684
LOCAL MINES.						
1	John Millegram.....	Petersburg.....	5,000	4,000	1,000	10,000
2	C. F. Johnson.....	Fancy Prairie.....	8,000	100	8,100	
3	Arthur Wainright.....	Sweetwater.....	3,000	300	3,300	
4	Brant & Waller.....	Petersburg.....	1,540	400	1,940	
5	Peter Becker.....	Tallula.....	1,632	120	1,752	
6	Oscar Davis.....	do.....	875	540	335	1,750
Totals.....			5,875	18,712	2,255	26,842
Totals—14 mines.....			126,049	179,460	92,017	397,526

Mines reported for 1907, 14.

New mines, 1.

Abandoned mines, 1.

Mines in 1908, 14.

Menard County—Sixth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
86,193	79,914	7,902	204	76	45	121	87,816	.....	.....	4,241	Solid...	W....	1
88,386	80,229	5,949	191	101	50	151	86,178	.....	3	4,793	.....	do..	2
67,252	58,706	6,588	156	80	39	119	65,294	.....	.....	3,656	.....	Pneu.	3
37,376	30,927	8,591	206	44	11	55	39,518	.....	1	1,639	.....	Steam	4
35,922	33,780	432	167	51	16	67	34,212	.....	.....	1,936	.....	W....	5
31,555	27,035	4,549	178	40	13	53	31,584	.....	.....	1,490	Solid...	do..	6
17,980	10,102	5,980	240	26	14	40	16,082	.....	.....	743	do..	do..	7
12,500	5,000	5,000	244	15	9	24	10,000	.....	.....	500	do..	do..	8
377,164	325,693	44,991	198	433	197	630	370,684	.....	4	19,000			
13,750	.....	10,000	200	9	3	12	10,000	.....	.....	500	.....	.....	1
14,000	.....	8,100	150	8	1	9	8,100	.....	.....	400	.....	.....	2
6,000	.....	3,300	170	6	3	9	3,300	.....	.....	156	.....	.....	3
3,900	.....	1,940	125	4	1	5	1,940	.....	.....	90	.....	.....	4
3,153	.....	1,752	200	1	1	2	1,752	.....	.....	73	.....	.....	5
3,165	.....	1,750	120	4	2	6	1,750	.....	.....	70	.....	.....	6
43,868	.....	26,842	161	32	11	43	26,842	.....	.....	1,289			
421,032	325,693	71,833	.....	465	129	673	397,526	.....	4	20,289			

Sangamon County—Sixth District—1908.

		OUTPUT OF MINES IN TONS.				
Number.	NAME OF OPERATOR.	Postoffice address of the mines.				
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Chicago, Wilm. & Ver. Coal Co., No. 1....	Thayer.....	98,402		270,146	368,548
2	Madison Coal Corporation, No. 6.....	Divermon.....	48,895	186,918	99,986	335,799
3	Illinois Midland Coal Co., Sherman.....	Sherman.....	74,038	82,567	145,700	302,305
4	Illinois Midland Coal Co., Victor.....	Pawnee.....	95,863	99,157	151,507	296,527
5	Woodside Coal Co., Woodside.....	Springfield.....	40,354	186,900	40,022	267,276
6	Springfield Coal Mining Co., No. 5.....	do.....	52,194	155,470	56,451	264,115
7	Springfield Colliery Co., Johns-Adams.....	do.....	148,103	67,055	42,016	257,174
8	Black Diamond Coal Co., Black Diamond	Auburn.....	117,596	91,008	44,717	253,621
9	Springfield Coal Mining Co., No. 2.....	Riverton.....	4,532	123,980	73,373	201,885
10	Capitol Coal Co., Capitol.....	Springfield.....	41,985	44,711	98,779	185,475
11	Sangamon Coal Co., No. 2.....	do.....	71,698	58,030	31,606	161,334
12	Chicago-Springfield Coal Co., C. S.....	do.....	82,187	44,445	32,818	159,450
13	Springfield Coal Mining Co., No. 4.....	do.....	66,498	60,989	17,393	144,880
14	Tuxhorn Coal Co., Tuxhorn.....	do.....	354	100,780	41,532	142,666
15	Springfield Coal Mining Co., No. 1.....	Riverton.....	7,796	94,965	37,860	140,621
16	Cora Coal Co., Cora.....	Springfield.....	27,270	62,028	43,652	132,950
17	Springfield Coöperative Co., New North.....	do.....	43,500	40,500	24,800	108,800
18	Springfield Coal Mining Co., No. 3.....	do.....	52,600	46,331	11,489	110,480
19	Barclay Coal Mining Co., Barclay.....	do.....	32,175	39,284	31,133	102,592
20	Standard Washed Coal Co., No. 7.....	Spaulding.....	896	46,087	52,843	99,826
21	Cantrall Coöperative Coal Co., Cantrall.....	Cantrall.....	18,798	47,595	32,469	98,862
22	West End Coal Co., West End.....	Springfield.....	27,242	40,112	31,004	98,358
23	Citizens Coal Mining Co., A.....	do.....	18,419	42,204	32,571	93,194
24	Illinois Collieries Co., No. 2.....	do.....	11,598	49,222	32,304	93,124
25	Standard Washed Coal Co., No. 2 R. R. S.....	Bissell.....	1,123	45,272	45,565	91,960
26	Illinois Collieries Co., No. 8.....	Springfield.....	9,719	27,260	38,358	85,337
27	O'Gara & King, O'Gara.....	do.....	34,086	28,192	21,740	84,018
28	Citizens Coal Mining Co., B.....	do.....	25,614	32,065	19,175	76,854
29	Wabash Coal Co., No. 1.....	Dawson.....	5,444	34,470	36,567	76,681
30	Spring Creek Coal Co., Spring Creek.....	Springfield.....	20,558	24,841	18,541	63,940
31	Auburn & Alton, A. A.....	Auburn.....	17,020	22,854	16,940	56,814
32	Johns & Adams Coal Co., Republic.....	Springfield.....	9,147	15,185	13,907	38,239
33	Williamsville Coal Co., Selbytown.....	Selbytown.....	2,116	8,968	13,721	24,305
34	Mechanicsburg Coal Co., Mechanicsburg.....	Mechanicsburg.....	3,865	7,602	9,857	21,324
Totals.....			1,213,843	2,114,949	1,710,542	5,039,334
LOCAL MINES.						
1	Lincoln Park, Peanut.....	Springfield.....	10,273	16,824	13,985	41,082
2	Cronster & Davis.....	Salesbury.....	1,540			1,780
3	Citizens Coal Co.....	Pleasant Plains.....	400			430
Totals.....			12,213	16,824	13,985	43,292
Totals—37 mines.....			1,226,056	2,131,773	1,724,797	5,082,625

Mines reported for 1907. 38.

Abandoned mines, 1.

Mines in 1908, 37.

Sangamon County—Sixth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.			EMPLOYEES.			ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.	
	Tons loaded on cars for shipment.	Other purposes.	Days of active operation.	Average number of miners.	All other employees.	Total.	Tons mined by hand.	Killed.					Injured.
8334,999	357,490	11,058	182	235	147	382	.....	.....	5	4,887	U. C.	Pneu.	1
335,799	322,161	13,638	179	230	125	355	1,508	.....	9	3,851	Both.	do.	2
302,305	296,803	5,502	218	223	78	302	302,305	4	3	16,226	Solid.	do.	3
296,527	281,044	15,483	188	251	101	352	296,527	.....	1	13,833	.....	do.	4
275,010	204,200	63,076	257	206	90	296	267,276	1	3	12,777	.....	do.	5
245,622	256,820	7,295	214	181	77	258	264,115	.....	1	12,698	.....	do.	6
239,171	250,174	7,000	249	145	67	212	257,174	.....	.....	12,561	.....	do.	7
216,912	245,537	8,084	237	166	51	217	209,878	1	1	10,063	Both.	do.	8
187,753	194,573	7,312	167	175	84	259	201,885	3	.....	10,176	Solid.	do.	9
181,765	82,420	103,055	259	100	101	261	185,475	.....	3	8,820	.....	do.	10
156,509	156,117	5,217	240	140	50	190	142,666	2	1	10,000	.....	do.	11
151,480	156,023	3,427	167	124	60	184	159,450	.....	1	8,691	.....	do.	12
134,738	126,186	18,694	209	109	60	169	144,880	.....	.....	6,527	.....	do.	13
128,399	139,423	3,243	219	136	58	194	161,334	1	.....	8,193	.....	do.	14
130,878	131,656	8,965	176	96	33	129	132,950	.....	.....	6,075	.....	do.	15
132,394	128,873	4,077	220	132	66	198	140,621	.....	3	8,040	.....	do.	16
100,000	81,600	27,200	220	87	55	142	110,480	.....	.....	5,453	.....	do.	17
102,746	105,293	5,187	183	100	39	139	108,800	1	.....	5,020	.....	do.	18
94,875	97,809	4,783	173	109	42	151	102,592	.....	1	6,031	.....	do.	19
111,805	94,601	5,225	194	109	43	152	99,826	.....	1	4,525	.....	do.	20
101,083	90,947	7,915	203	110	37	147	98,358	.....	.....	4,380	.....	do.	22
97,807	71,988	26,370	151	90	47	137	98,862	.....	1	5,282	.....	do.	21
94,351	86,099	7,095	150	99	34	133	93,194	1	2	4,565	.....	do.	23
86,141	88,511	4,613	80	185	81	266	93,124	2	7	4,077	.....	do.	24
102,995	87,680	4,280	170	105	49	154	91,960	.....	2	4,645	.....	do.	25
76,803	79,303	6,034	114	190	85	275	85,337	.....	.....	4,179	.....	do.	26
76,456	79,751	4,267	170	90	34	124	84,018	.....	.....	4,899	.....	do.	27
78,522	75,604	1,250	130	90	32	122	76,854	.....	1	4,185	.....	do.	28
83,331	71,912	4,709	164	74	54	128	76,681	.....	.....	5,033	.....	do.	29
70,360	61,384	2,556	155	65	32	97	63,940	.....	2	3,192	.....	do.	30
51,055	41,353	15,461	143	60	37	97	56,814	.....	1	2,432	.....	do.	31
37,474	34,052	4,187	117	64	30	94	38,239	1	.....	1,767	.....	do.	32
20,654	20,333	3,972	77	80	25	105	24,305	.....	.....	960	.....	do.	33
21,000	15,992	5,332	193	25	18	43	21,324	.....	1	1,191	.....	do.	34
\$4,857,719	4,613,712	425,622	188	4,441	2,022	6,463	4,292,752	16	48	225,234	.....	.....	.....
\$42,722	.....	41,082	192	55	22	77	41,082	.....	.....	1,927	.....	.....	1
2,695	.....	1,780	200	6	2	8	1,780	.....	.....	80	.....	.....	2
800	.....	430	120	5	.....	5	430	.....	.....	20	.....	.....	3
\$46,217	.....	43,292	171	66	24	90	43,292	.....	.....	2,027	.....	.....	.....
\$4,903,936	4,613,712	468,914	.....	4,507	2,046	6,553	4,336,044	16	48	227,261	.....	.....	.....

Schuyler County—Sixth District—Concluded.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	Whelhans & Kerr.....	Rushville.....	4,850		100	4,950
2	Cyrus L. DeWitt.....	do.....	1,407			1,407
3	Ferry & Wine.....	Frederick.....	922			922
4	Littleton Coal Co.....	Littleton.....	900		200	1,100
5	W. Cummins.....	Rushville.....	770		10	780
6	Charles Foster.....	Pleasantview.....	600			600
7	Ray Tile Works.....	Ray.....	600			600
8	Morae Strong.....	Pleasantview.....	500			500
9	Ed. Duffie.....	Rushville.....	300			300
10	Simon Parlwood.....	Littleton.....	251			251
11	Spiller & Eagle.....	Pleasantview.....	200			200
12	John Eagle.....	Littleton.....	125			125
13	Ralph Strong.....	Pleasantview.....	100			100
Totals.....			11,525		310	11,865

Mines reported for 1907, 11.

New mines, 2.

Mines in 1908, 13.

Schuyler County—Sixth District—1908.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
7,275	4,950	300	6	2	8	4,950	.....	.....	.....	100	.....	.....	1
2,100	1,407	300	4	1	5	1,407	.....	.....	.....	36	.....	.....	12
1,652	922	200	5	1	6	922	.....	.....	.....	28	.....	.....	3
1,648	1,100	100	5	2	7	1,100	.....	.....	.....	26	.....	.....	4
962	780	120	2	.....	2	780	.....	.....	.....	19	.....	.....	5
900	600	150	4	.....	4	600	.....	.....	.....	15	.....	.....	6
900	600	182	4	.....	4	600	.....	.....	.....	16	.....	.....	7
625	500	60	3	.....	3	500	.....	.....	.....	15	.....	.....	8
450	300	70	1	.....	1	300	.....	.....	.....	10	.....	.....	9
375	251	60	1	.....	1	251	.....	.....	.....	7	.....	.....	10
312	210	75	4	.....	4	200	.....	.....	.....	5	.....	.....	11
250	125	45	1	.....	1	125	.....	.....	.....	4	.....	.....	12
125	100	30	3	.....	3	100	.....	.....	.....	3	.....	.....	13
17,574	11,835	130	43	6	49	11,835	.....	.....	.....	234	.....	.....

Shipping Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Logan.....	4	86,766	199,304	12,816	39,549	76,403	15,172	430,010	\$1.046
Menard.....	8	120,174	160,748	1,125	15,102	61,174	12,361	370,684	1.017
Sangamon.....	34	1,213,843	2,114,949	278,805	174,818	1,129,712	127,207	5,039,334	0.964
Total.....	46	1,420,783	2,475,001	292,746	229,469	1,267,289	154,740	5,840,028	\$0.973

Local Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Brown.....	2	400	.....	.....	.....	.....	.....	400	\$1.775
Cass.....	1	.....	800	.....	.....	.....	.....	800	2.50
Menard.....	6	5,875	18,712	.....	.....	2,255	.....	26,842	1.634
Sangamon.....	3	12,213	16,824	.....	.....	13,985	270	43,292	1.068
Schuyler.....	13	11,525	.....	.....	.....	.....	310	11,835	1.485
Total.....	25	30,013	36,336	.....	.....	16,240	580	83,169	\$1.327
Grand total.....	71	1,450,796	2,511,337	292,746	229,469	1,283,529	155,320	5,923,197	.....

Whole number of mines reported for 1907, 71.
 Number of new mines opened during the year, 3.
 Number of mines abandoned during the year, 3.
 Whole number of mines reported for 1908, 71.

Counties—Sixth District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYEES.						BLASTING COAL.				
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.						Tons mined—By hand.	Powder—Blasting coal.	From solid Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.	All above ground.	Total.						
315,013	114,997	186	489	173	34	65	761	430,110	20,691	430,010	.....	.....
325,693	44,991	198	433	127	8	62	639	370,684	19,000	370,684	.....	.....
4,613,712	425,622	188	4,441	1,291	191	540	6,463	4,292,752	225,234	4,081,366	368,548	589,420	
5,254,418	585,610	190	5,363	1,591	233	667	7,854	5,093,446	264,835	4,882,060	368,548	589,420	

Counties—Sixth District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.						Tons mined—By hand.	BLASTING COAL.			
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.					Tons mined—By hand.		Powder—Blasting coal.	From solid—Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.	All above ground.	Total.						
.....	400	113	3	.....	.....	.....	3	400	10	400	.....	.....
.....	800	200	3	.....	.....	2	5	800	20	800	.....	.....
.....	26,842	161	32	2	.....	9	43	26,842	1,289	26,842	.....	.....
.....	43,292	171	66	.....	.....	24	90	43,292	2,027	43,292	.....	.....
.....	11,835	130	43	.....	.....	6	49	11,835	284	11,835	.....	.....
.....	83,169	144	147	2	.....	41	199	83,169	3,630	83,169	.....	.....
5,254,418	668,779	....	5,510	1,593	233	708	8,044	5,176,615	268,465	4,965,229	368,548	589,420

SEVENTH INSPECTION DISTRICT—1908.

THIRD ANNUAL REPORT.

Counties: Calhoun, Christian, Greene, Jersey, Macoupin, Montgomery, Morgan, Scott, Shelby.

W. W. WILLIAMS, *Inspector*, Litchfield.

Hon. David Ross, Secretary Bureau of Labor Statistics, Springfield, Ill.

SIR—In compliance with the law of the State of Illinois, defining the duties of the State inspectors of mines, I have the honor to submit the third annual report of the coal mines in the seventh inspection district. The tabular statement in this report contains the different items called for in the schedules. The following is a summary of the leading items:

Number of mines	75
Number of new mines	6
Number of mines abandoned	4
Number of shipping mines	37
Number of local mines	38
Tons of mine run coal	1,402,341
Tons of lump coal	3,667,768
Tons of egg coal	165,329
Tons of nut coal	119,074
Tons of pea or screenings coal.....	1,467,206
Tons of slack or waste coal.....	415,650
Total tons all grades of coal.....	7,237,368
Aggregate value of total product, all mines.....	\$6,896,805
Tons loaded on cars for shipment.....	6,408,120
Tons supplied to locomotives at the mines.....	160,576
Tons sold to local trade	231,097
Tons consumed or wasted at the mines.....	437,575
Average number of days of active operation, shipping mines.....	187
Tons mined by hand	3,154,014
Tons mined by machine	4,083,354
Number of mines using machines	18
Number of machines in use.....	306
Number of miners	5,838
Number of other employés underground	2,144
Number of boys underground	261
Number of employés above ground.....	811
Total number of employés	9,054
Number of kegs of powder consumed.....	113,885
Number of fatal accidents	28
Number of non-fatal accidents	111
Number of wives made widows	12
Number of children left fatherless	32
Number of employés to each fatal accident.....	323
Number of tons to each fatal accident.....	258,477
Ratio of fatal accidents per 1000 persons employed.....	3.1
Number of employés to each non-fatal accident.....	82
Number of tons to each non-fatal accident.....	65,202

NEW MINES.

The Farmersville Coal Mining Company of Farmersville, Montgomery county, has sunk a mine one-half mile south of town, to the No. 6 seam, and are now equipping the mine in the most modern style.

The shaft is 369 feet to the coal; the seam is 9 feet thick and has a very good roof. The company is now sinking the air shaft, also putting in the side tracks on top, and will probably be ready to ship coal the beginning of the coming winter.

The Montgomery County Coal Company of Hillsboro, Montgomery county, has sunk a mine to the No. 6 seam, two and one-half miles southwest of Hillsboro; the company is equipping this mine for a very large tonnage. Both the hoisting and air shaft are down to the coal; both are the same dimensions, 9 by 16 feet. The shaft is 470 feet deep. A shaker screen has been put in, 8 by 52 feet, equipped to make all sizes of coal. There are two Bonson patent boilers, each 400 horsepower, with a working pressure of 150 pounds. The engines are the Litchfield make, 26 by 42 inches, with a cone drum. Steel pit cars of 4-ton capacity are used in the mine. All the other equipments are of the latest style.

FIRES.

Sept. 28, 1907, a fire at the Consolidated Coal Company's mine No. 15, Mt. Olive, Macoupin county, completely destroyed the engine and boiler rooms, together with one large compressor; also damaging another compressor and the hoisting engine. The destruction of the property caused the mine to remain idle until December 3rd following.

The night of Oct. 3, 1907, a fire destroyed the top works of the Penwell Coal Mining Company at Pana, Christian county. There were eighteen men in the mine at the time, all of whom were rescued, but with great difficulty; not, however, because the way of escape was not in first-class shape. The men came out through an opening from this mine to the Smith-Lohr mine, which was on the east side of the shaft; the men were on the west side and had to cross to the east side, passing the shaft. The hoisting shaft is both a down and an up cast, the two currents being separated by a partition. The hoisting compartment, being the downcast, carried the flame to the bottom, setting the mine cars on fire, also burning through the partition, filling both the intake and return air courses with smoke, which almost completely shut the men from retreat. All of the mules, except five which were burned, were taken out the next day.

The company has since connected the west side of the mine with the Pana Coal Company's No. 1 mine, making a separate escape for each side of the mine.

IMPROVEMENTS.

The Penwell Coal Mining Company at Pana, Christian county, in consequence of a fire, had to rebuild the entire whole top works of its mine, consisting of the tippie, screenings bin, box car loader house, fan house and all machinery therein, also the railroad chutes. The old-style cage was replaced with a self-dumping cage, thereby increasing the capacity of the mine; the time consumed in dumping with the new cage is much less than with the old. Special cars have been built to convey the coal from the mine to the railroad chutes, thus doing away with the storing of mine cars on top at night, as is done at many places where railroad engines are coaled. The Crawford and McCrinnon fan, which was also burned, was replaced with a 12-foot Stevens fan. This fan, under a trial, produced 167,000 cubic feet of air with a water gauge of 4.7 inches. The Clover Leaf Coal Company at Coffeen, Macoupin county, has installed at its No. 2 mine a Capell fan of 200,000 cubic feet capacity; also electric haulage.

The Superior Coal Company at Gillespie has installed electric haulage at its No. 3 mine, operating one motor on each side of the shaft.

ABANDONED MINES.

The W. H. Bates Coal Company's mine at Winchester, Scott county, was abandoned in March, 1908.

The White Hall Sewer Pipe and Stoneware Company abandoned its two local mines at White Hall, Green county, in January, 1908.

The Clover Leaf Coal Company at Coffeen, Montgomery county, abandoned its No. 1 mine as a hoisting shaft, and are now using it as an escape shaft for their No. 2 mine.

MINES TEMPORARILY SUSPENDED.

The Illinois Collieries Company, which is now in the hands of a receiver, Glenn W. Traer, have not as yet resumed work at its No. 1 and No. 4 mines at Virden, Macoupin county, since March 31, 1908. This company has also leased its No. 7 mine at Litchfield, Montgomery county, to the Litchfield Coal Company.

FATAL ACCIDENTS.

July 7, 1907, Hiram Allen, miner, single, was injured by falling coal in the Illinois Collieries Company's mine No. 1, Virden. This accident occurred June 22d. He was bruised about the body so badly that he died July 7th.

July 5, 1907, Court Davidson, top laborer, aged 23 years, single, employed at the Superior Coal Company's mine No. 1, near Gillespie, was run over by some railroad cars that were being pushed by a locomotive. His leg was cut off and death resulted a few minutes afterwards.

July 12, 1907, William Kirk, miner, aged 26 years, single, was instantly killed by falling clod in the Superior Coal Company's mine No. 3 near Gillespie.

July 17, 1907, William Kalb, miner, aged 34 years, single, was instantly killed by falling coal in the Madison Coal Company's mine near Mt. Olive.

July 22, 1907, Steve Maviotta, miner, aged 30 years, single, was killed by falling rock in the mine of the Assumption Coal Company. The accident occurred at his road head; he had been repeatedly warned against taking such risks, in not properly propping his place.

Aug. 5, 1907, C. Otrodorvis, miner, aged 35 years, single, working in mine No. 1 of the Superior Coal Company, Gillespie, was caught under a piece of slate, that he knew was loose at the face of his room, and injured internally. He was taken to the hospital and died that night.

Oct. 1, 1907, E. C. Worley, car pincher, aged 19 years, single, employed on the surface at mine No. 2 of the Superior Coal Company at Benld. Deceased was between two railroad cars trying to separate them, in order to get the front car nearer to the dump, when an engine from behind struck the cars and he was run over and instantly killed.

Oct. 2, 1907, Rudolph Topolovshak, miner, aged 18 years, employed in mine No. 5 of the Madison Coal Company, Mt. Olive. Deceased was in the act of making a place to set a prop under a bad piece of roof, when it fell, killing him instantly.

Oct. 7, 1907, Sydney Jones, machine runner, aged 25 years, single, working in the mine of the Kortkamp Coal Company near Hillsboro, was undermining at the face of his room when a large body of coal broke loose and fell on him, killing him instantly.

Oct. 24, 1907, George Szoay, laborer, 35 years old, married, no children, employed at mine No. 2 of the Superior Coal Company, near Benld, was riding on a motor with one leg hanging over the end; a mule trip of two cars was coming out; the motorman could not stop his motor in time to prevent the motor and cars coming together; Szoay's leg was caught between, crushing it severely. Deceased was taken to the hospital and died from the injuries one week later. He leaves a widow.

Oct. 29, 1907, John Furnsock, spragger, aged 25 years, single, working in the mine of the Christian County Coal Company, Taylorville, was spragging at the bottom two days before he died when his hand was mashed; blood poison set in, causing his death.

Nov. 24, 1907, Matt Krenosz, driver, aged 22 years, single, working in the mine of the Christian County Coal Company, Taylorville, was watering the roads, driving with a very high iron tank, riding in front and standing on the drawbar; looking backwards while passing a place where the entry was very high he unexpectedly came to a low place where his head was caught between the roof and the top of the tank, killing him instantly.

Nov. 26, 1907, Max Alberts, loader, aged 42 years, married, working in the Consolidated Coal Company's No. 10 mine, Mt. Olive, Macoupin county, was loading a car in a room by himself, and was found dead under a large mass of coal that had fallen on him. He leaves a widow and seven children.

Dec. 21, 1907, Charles Morton, miner, aged 42 years, married, working in the mine of the Vivian Collieries Company, Greenridge, Macoupin county, was engaged, and had been for some time, trying to pull a rock down at the face of his room; failing to bring it down, he went to work under the rock, after being repeatedly told not to do so; the result was that the rock fell on him, killing him instantly. He leaves a widow and one child.

Dec. 23, 1907, H. A. Best, driver, aged 26 years, single, employed in the Superior Coal Company's No. 2 mine near Benld, Macoupin county, was found under a loaded car, dead. It was supposed that he was riding on the front of the car and fell off, the car running over him. He had only one car hitched to the mule, and the road was perfectly level, with plenty of room on the sides of the road.

Jan. 6, 1908, John Donnellson, shot-firer, aged 28 years, married, was killed by the explosion of a blown-out shot in the Shoal Creek Coal Company's mine, Panama, Montgomery county. Deceased was severely burned by the explosion and died from the effects ten days later. He leaves a widow and one child.

Jan. 25, 1908, August Henri, miner, aged 32 years, married, working in the Stonington Coal Company's mine at Stonington, Christian county. Deceased was severely burned by an explosion of gas and died from the effects two days later. He was sent by the mine manager with a naked light to clear away some slate in a room where it was known to contain seven feet of gas overhead. He leaves a widow.

Feb. 10, 1908, Anton Procoroni, miner, aged 30 years, single, working in the Burnwell Coal Company's mine No. 1 at Witt, Montgomery county. Deceased was caught under falling coal and crushed to death at the face of his room. He was thrice warned not to go under the coal that fell.

Feb. 20, 1908, F. Littan, miner, aged 52 years, married, working in the Christian County Coal Company's mine at Taylorville, Christian county. Deceased was undermining what is called a standing shot at the face of his room when a large body of the coal gave away, falling on him and killing him instantly. He leaves a widow.

March 14, 1908, Charles Utkis, driver, aged 29 years, single, employed in the Vivian Collieries Company's mine at Greenridge, Macoupin county. Deceased was found dead under a loaded car on an entry where the road was perfectly level; no one saw him fall, and it is supposed that he fainted and fell from the car.

March 17, 1908, Elmer Woods, top foreman, aged 33 years, married, employed at the Royal Colliery Company's mine at Virden. Deceased was caught in the machinery of the coal washer and drawn between the belt and belt wheel, crushing him to death. He was in the act of oiling the machinery; it was supposed that his clothes caught in some manner and drew him in. He leaves a widow and three children.

March 17, 1908, Ad. Jarman and George Flanery, shot-firers, employed in the Shoal Creek Coal Company's mine, Panama, Montgomery county, the former aged 32 years, single, the latter aged 42 years, married, were both

killed by an explosion caused by a blow-out shot; they were found three feet from the face of the entry where the shot was fired, and had evidently been suffocated. Flanery leaves a widow and two children.

March 23, 1908, Steve Matakovitah, miner, aged 27 years, married, was killed in the Consolidated Coal Company's mine No. 8, Staunton, Macoupin county. Deceased was caught under falling slate and received injuries from which he died two hours after the accident. He leaves a widow and two children.

March 30, 1908, Daniel Speakman, top laborer, aged 20 years, married, employed at the Christian County Coal Company's mine, Taylorville, was killed under a railroad car. He had just taken two loaded cars down from the mine, and in returning had stepped between two other loaded cars that were on another track; these cars were in a string of thirteen, ten of which were between deceased and the shaft; while between these cars, four other cars were being let down on the same track striking the thirteen cars with such force as to knock him down with the result as stated. He leaves a widow and one child.

May 15, 1908, Charles Kremmer, miner, aged 39 years, married, employed in the Pana Coal Company's mine No. 1, Pana, Christian county, was caught under falling coal at the face of his room, receiving injuries from which he died two hours afterwards. He leaves a widow and seven children.

June 9, 1908, Peter Forrello, miner, aged 35 years, single, working in the Smith-Lohr Coal Mining Company's mine at Pana, Christian county was instantly killed under a heavy fall of coal at the face of his room. He was mining underneath when the coal fell on him.

June 26, 1908, Fred Whitehouse, loader, aged 54 years, married, working in mine No. 5 of the Madison Corporation Coal Company, Mt. Olive, Macoupin county, was killed under falling coal. He was shoveling for a machine, and was taking the first cut under a new room, when a piece of coal weighing about 1,000 pounds fell on him. He leaves a wife and nine children.

It is remarkable the number of men that have been killed this year at the working face, many of whom were warned of the danger they were in and would have avoided death if due care and precaution had been exercised.

The accident tables follow, also the statistical tables of each county.

Respectfully submitted,

W. W. WILLIAMS,

Inspector 7th District, Litchfield.

Fatal Casualties—Seventh District—July 1, 1908.

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	Widows.	Children.	Single.	Persons dependent.	Cause of Accident.
1907										
July 5	Court Davidson.....	23	Laborer.....	Gillespie.....				1		Railroad car.....
7	Hiram Allen.....		Miner.....	Virden.....				1		Falling coal.....
12	Wm. Kirk.....	26	do.....	Gillespie.....				1		Falling slate.....
17	Wm. Kolb.....	34	do.....	Mt. Olive.....				1		Falling coal.....
22	Steve Mariotta.....	30	do.....	Assumption.....				1		Falling rock.....
Aug. 5	C. Otradowis.....	35	do.....	Gillespie.....				1		Falling slate.....
Oct. 1	E. C. Worley.....	19	Car pincher.....	do.....				1		Railroad cars.....
2	R. Topolovshak.....	18	Miner.....	Mt. Olive.....				1		Falling slate.....
7	Sidney Jones.....	25	Mac runner.....	Kortkamp.....				1		Falling coal.....
24	Geo. Szoay.....	35	Laborer.....	Benld.....	1	1			1	Pit car and motor.....
29	John Furnsock.....	25	Spragger.....	Taylorville.....				1		Pit car.....
Nov. 24	Matt Kreuszas.....	22	Driver.....	do.....				1		do.....
26	Max Alberts.....	42	Miner.....	Mt. Olive.....	1	1	7		8	Falling coal.....
Dec. 21	Chas. Norton.....	42	do.....	Greenridge.....	1	1	1		2	Falling rock.....
23	H. A. Best.....	26	Driver.....	Staunton.....				1		Pit car.....
1908										
Jan. 6	John Donnellson.....	28	Shot firer.....	Donnellson.....	1	1	1		2	Blown out shot.....
25	Aug. Henri.....	32	Miner.....	Stonington.....	1	1			1	Gas explosion.....
Feb. 10	Anton Procoroni.....	30	do.....	Witt.....				1		Falling coal.....
20	F. Littan.....	29	do.....	Taylorville.....	1	1			1	Falling coal.....
Mar. 14	Chas. Utakis.....	52	Driver.....	Greenridge.....				1		Pit car.....
17	Elmer Woods.....	33	Foreman.....	Virden.....	1	1	3		4	Machinery.....
17	Ad. Jarman.....	33	Shot firer.....	Sorento.....				1	1	Blown out shot.....
Apr. 17	Geo. Flamry.....	42	Shot firer.....	Sorento.....		1	2		3	Blown out shot.....
23	Steve Matakovich.....	27	Miner.....	Staunton.....	1	1	2		3	Falling slate.....
31	Dan Speakman.....	20	Laborer.....	Taylorville.....	1	1	1		2	Railroad cars.....
May 15	Chas. Kremmer.....	39	Miner.....	Pana.....	1	1	6		7	Falling coal.....
June 9	Peter Poorello.....	35	do.....	do.....				1		do.....
26	Fred Whitehouse.....	54	Loader.....	Mt. Olive.....	1	1	9		8	do.....
	Totals—28.....				12	12	32	16	43	

Recapitulation of Fatal Casualties—Seventh District—1908.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Assumption.....	1	Car pincher.....	1	Falling coal.....	9	Assumption Coal Co.....	1
Benld.....	1	Driver.....	3	Falling rock.....	2	Burnwell Coal Co.....	1
Donnellson.....	1	Foreman.....	1	Falling slate.....	4	Christian County Coal Co...	4
Gillespie.....	4	Laborer.....	3	Gas explosion.....	1	Consolidated Coal Co.....	2
Greenridge.....	2	Loader.....	1	Machinery.....	1	Illinois Colliery Co.....	1
Kortkamp.....	1	Mach. runner.....	1	Pit cars.....	5	Kortkamp Coal Co.....	1
Mt. Olive.....	4	Miner.....	14	Railroad cars.....	3	Madison Coal Co.....	3
Pana.....	2	Shot firer.....	3	Blown out shot.....	3	Pana Coal Co.....	1
Sorento.....	2	Spragger.....	1			Royal Coal Co.....	1
Staunton.....	2					Shoal Creek Coal Co.....	3
Stonington.....	1					Smith-Lohr Coal Co.....	1
Taylorville.....	4					Stonington Coal Co.....	1
Virden.....	2					Superior Coal Co.....	6
Witt.....	1					Vivian Coal Co.....	2
Totals.....	28		28		28		28

Non-Fatal Casualties—Seventh District—July 1, 1908.

Date.	Name.	Age.	Residence. (Town.)	Married. Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1907 July	1 James Reeves, Sr.	24	Litchfield.	1			1 Leg broken, falling coal.	210
	1 Bert Brown.	22	Taylorville.	1	1		2 Collar bone broken, falling coal	33
	1 Richard Smith.		Virden.	1			Leg broken, mule ran away.	70
	1 Alfred Grossa.		Assumption.	1			Ruptured, lifting coal.	90
	6 Joe Drenile.	39	Mt. Olive.	1			1 Leg bruised, machine.	60
	8 D. W. Hays.	27	Staunton.	1			Head bruised, pit car.	31
	12 Dave Basher.	30	Stonington.	1			Arm and head bruised, falling slate.	48
	16 Geo. Soloks.	28	Benld.	1	1		2 Knee sprained, falling clod.	72
	17 Kris Lawrence.	24	Sawyer ville.	1	5		6 Wrist injured, falling coal.	70
	17 John McGran.	22	Stonington.	1			Head bruised, pit car.	60
	20 Mike Millick.	60	Mt. Olive.	1			1 Head injured, falling slate.	37
	22 Bert Rosetto.	21	Gillespie.	1			Arm broken, falling coal.	65
	22 Zonoini.	23	do.	1			Face burned, firing shot.	66
	22 Albert Dechaney.	18	Assumption.	1			Shoulder dislocated, pit car.	49
	23 Chas. Fritz.	45	Litchfield.	1	4		5 Back bruised, falling slate.	30
	27 Mat Klover.	25	Pana.	1			Leg broken, falling coal.	96
	30 Pat Kennedy.	40	Benld.	1	1		2 Leg broken, falling slate.	111
Aug.	1 Chas. Sleinnitz.	17	Mt. Olive.	1			Fingers mashed, pit car.	32
	1 Ray Larwood.	25	Virden.	1			Leg injured, pit car.	30
	12 John Bretta.	30	do.	1			Hip dislocated, falling coal.	30
	17 Mike Simmons.	28	Benld.	1			1 Leg injured, falling coal.	94
	22 Wm. Husband.	35	Pana.	1	5		6 Shoulder injured, falling coal.	41
	26 Alex. Patterson.		Virden.	1			Leg injured, machine.	34
	26 Dave Griffiths.	28	Greenridge.	1			Back injured, falling coal.	40
	28 Louis Patasky.	32	do.	1	1		1 Foot broken, falling coal.	60
Sept.	29 Arthur Marshall.		Litchfield.	1			Hand bruised, falling rock.	30
	4 S. Losko.	18	Mt. Olive.	1			Arm broken, pit car.	100
	5 Geo. Welch.	27	Benld.	1			Face cut, falling coal.	35
	6 Joe Yates.	16	Gillespie.	1			Leg broken, pit car.	70
	7 Wm. Sieber.	60	Staunton.	1	2		3 Back bruised, falling coal.	40
	11 Wm. Sprado.	50	Pana.	1			Back bruised, falling slate.	78
	14 Chas. Dubett.	21	Assumption.	1			Body bruised, pit car.	33
	16 John Freutschler.	16	Mt. Olive.	1			Hand mashed, cage.	30
	18 Henry Dobson.		Virden.	1			Body bruised, machine.	30
	19 M. Ponties.	56	Staunton.	1			1 Knee sprained, falling in hole.	37
	19 A. Sandner.	54	Mt. Olive.	1			Hand injured, falling coal.	30
	21 Wm. Gibrile.	36	Assumption.	1	2		3 Fingers mashed, pit car.	30
	21 John Moliski.	40	do.	1			Head injured, falling coal.	40
Oct.	27 Gus Meller.	60	Staunton.	1	6		7 Fingers injured, caught in roller	30
	2 Tony Car.	25	do.	1	1		2 Back injured, falling rock.	35
	5 Chas. Fritz.	45	Litchfield.	1	4		5 Foot injured, falling rock.	37
	7 Sam Ellis.	33	Greenridge.	1			Back injured, falling coal.	90
	8 Ira Easley.	45	Stonington.	1			Foot crushed falling coal.	60
	9 Frank Dermas.	24	Benld.	1			Arm broken, pit car.	36
	9 James Hogan.	40	Girard.	1	4		5 Body injured, falling rock.	33
	11 Roy Kentfield.	22	Gillespie.	1			Leg broken, pit car.	213
	30 John Wein.	65	Taylorville.	1	7		8 Collar bone broken, pit car.	90
Nov.	2 Walter Smith.		Gillespie.	1	2		3 Foot mashed, pit car.	57
	4 Joe Herener.	35	Moweaqua.	1			Body burned, powder explo- sion.	40
	9 Geo. Tom.	44	Mt. Olive.	1	4		5 Body bruised, machine.	30
	12 Jno. Koelmiski.	22	Taylorville.	1			1 Hip bruised, pit car.	34
	15 Walter Waller.	35	Hillsboro.	1			Ankle broken, falling coal.	42
	25 Geo. Spitz.	22	Witt.	1	1		2 Body bruised, pit car.	50
	25 Jno. Kochneski.	22	Taylorville.	1			Hip bruised, pit car.	30
	25 E. W. Darrow.	28	Stonington.	1			Leg broken, pit car.	30
Dec.	6 Jesse Wilcoxon.	45	Virden.	1			Foot broken, pit car.	90
	16 Geo. Petrum.	18	Pana.	1			Body bruised, falling coal.	35
	16 Chas. Herkobb.	46	Spring Valley.	1			Leg broken, falling coal.	*
	23 Edw. Arnold.	35	Carlinville.	1			1 Ankle sprained, falling rock.	40
	23 Frank Otto.	24	Staunton.	1			Foot mashed falling coal.	160
	27 E. Broadman.	20	Pana.	1			Hip injured, falling coal.	43
1908 Jan.	8 John Pasvento.	25	Witt.	1			Toe broken, falling coal.	30
	8 Max Uhlman.	36	Staunton.	1	5		6 Leg broken, falling slate.	90
	13 Steve Locke.	57	Assumption.	1	3		4 Eye destroyed, flying coal.	60
	17 Tony Farero.	25	Virden.	1			Body bruised, pit car.	40

Non-Fatal Casualties—Seventh District—Concluded.

Date.	Name.	Age.	Residence. (Town.)	Married.	Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1908									
Jan. 22	Thos. Thomson.....	34	Stonington.....	1				Body burned, powder explosion.....	60
22	W. J. Ventrisse.....	22	Pana.....	1				Leg broken, falling coal.....	36
24	Dominick Berg.....	20	Assumption.....	1				Foot mashed, pit car.....	90
24	C. Saylor.....	47	Virden.....	1		1	2	Foot injured, switch.....	42
25	C. Bernard.....	50	Stonington.....	1			1	Face burned, gas explosion.....	30
25	A. Worlet.....	30	do.....	1			1	Face burned, gas explosion.....	50
25	Julé Saufront.....	34	do.....	1				Face and hands burned, gas explosion.....	30
25	R. White.....	31	Litchfield.....	1		5	6	Leg broken, falling prop.....	60
27	Anton Foari.....	25	Virden.....	1				Shoulder injured, pit car.....	90
27	Ant Solosegagi.....	25	Pana.....	1				Leg broken, falling slate.....	50
30	Jno. Irvine.....	66	Gillespie.....	1		3	2	Body injured, falling scaffold.....	121
Feb. 4	Walter Bartelo.....	17	Mt. Olive.....	1				Feet scalded, stepped into hot water.....	30
8	Geo. Calomich.....	24	Benld.....	1			1	Leg injured, falling coal.....	30
12	Dan Bote.....	50	Witt.....	1		3	3	Leg bruised, pit car.....	50
13	Wm. McQueen.....	25	Virden.....	1				Toe broken, pit car.....	35
14	Jno. McLaughlin.....		Auburn.....	1				Foot bruised, falling coal.....	40
14	Elmer Kidd.....	18	Virden.....	1				Body injured, squeezed by mule.....	*
15	John Doifler.....	do.....	do.....	1				Hand bruised, caught in wheel.....	30
17	J. W. Alexander.....	64	do.....	1		3	4	Leg bruised, falling coal.....	35
20	A. Uscavish.....	30	Pana.....	1				Ankle broken, falling coal.....	150
24	Samuel Allen.....	31	Mt. Olive.....	1		4	5	Ribs broken, pit car.....	30
26	Walter Komoski.....	19	Virden.....	1				Leg broken, falling coal.....	85
Mar. 2	Mike Drevetti.....	25	do.....	1				Body bruised, pit car.....	90
2	Henry Soothoff.....	20	Litchfield.....	1				Leg broken, pit car.....	60
2	F. W. Huffaker.....	Virden.....	Virden.....	1			1	Arm broken, falling coal.....	45
7	Thos. McWilliams.....	25	Gillespie.....	1			1	Body bruised, falling coal.....	72
9	Wm. Marfess.....	40	Witt.....	1		2	3	Leg broken, falling coal.....	90
9	Nick Codemo.....	50	Hillsboro.....	1		2	3	Leg broken, falling coal.....	90
14	M. Rabanovitch.....	27	Mt. Olive.....	1		1	2	Body injured, falling coal.....	30
21	John Sharp.....	49	do.....	1				Back injured, falling prop.....	30
23	Ross Courtney.....	21	Staunton.....	1				Body injured, pit car.....	30
25	H. Champney.....	41	Virden.....	1				Arm broken, falling coal.....	56
27	Andrew Gist.....	25	Spring Valley.....	1				Finger injured, pit car.....	30
30	Frank Worden.....	50	Mt. Olive.....	1		12	13	Shoulder injured, falling slate.....	74
May 21	Abe Wilder.....	29	Staunton.....	1				Shoulder dislocated, pit car.....	43
22	Joe Fietze.....	22	do.....	1				Foot injured, pit car.....	34
25	C. Droganski.....	35	Stonington.....	1		1	2	Leg broken, falling clod.....	60
26	Louis Frauljer.....	24	Benld.....	1			1	Body bruised, falling coal.....	44
26	S. Rudolphie.....	37	Gillespie.....	1		2	3	Body bruised, falling coal.....	42
26	Ed Bannon.....	22	Pana.....	1				Back injured falling coal.....	50
June 3	Harry Kilduff.....	51	Staunton.....	1		4	5	Hip dislocated, falling slate.....	53
11	F. Slowiewski.....	16	Pana.....	1				Leg broken, falling coal.....	*
18	Wm. Meyer.....	19	Irving.....	1				Arm broken, pit car.....	60
18	James Dewis.....	24	Litchfield.....	1				Leg injured, falling coal.....	*
27	Steve Dragavitch.....	21	Mt. Olive.....	1				Foot injured, switch.....	30
29	Alex. Carber.....	40	Pana.....	1		2	3	Leg broken, falling slate.....	*
	Totals.....			51	60	104	146		

*Not recovered July 1, 1908.

Total number injured.....	111
Number not recovered July 1, 1908.....	5
Number recovered July 1, 1908.....	106
Total time lost by men recovered, days.....	6,027
Average time lost by men recovered, days.....	56.8

NOTE.—James Reeves, Sr. was injured Jan. 26, 1907, Bert Brown, June 20, Richard Smith, June 24, and Alfred Grossa, June 27.

Recapitulation of Non-Fatal Casualties—Seventh District—1908.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Assumption.....	7	Cagers.....	3	Cages.....	1	Assumption Coal Co.....	7
Auburn.....	1	Car pushers.....	3	Falling clod.....	2	Burnwell Coal Co.....	4
Benld.....	7	Driver.....	26	Falling coal.....	41	Carlville Coal Co.....	1
Carlville.....	1	Engineer.....	1	Falling in hole.....	1	Christian County C. Co.....	4
Gillespie.....	9	Fireman.....	1	Falling in hot water..	1	Consolidated Coal Co.....	22
Girard.....	1	Foreman.....	1	Falling prop.....	2	Hillsboro Coal Co.....	1
Greenridge.....	3	Laborers.....	3	Falling scaffold.....	1	Illinois Collieries Co.....	11
Hillsboro.....	2	Loaders.....	8	Falling slate.....	10	Kortkamp Coal Co.....	2
Irving.....	1	Mach. runner.....	6	Falling rock.....	4	Madison Coal Corporation..	4
Litchfield.....	7	Mine manager.....	2	Firing shot.....	1	Moweaqua Coal Co.....	1
Moweaqua.....	1	Miners.....	45	Gas explosion.....	3	Pana Coal Co.....	6
Mt. Olive.....	12	Oiler.....	1	Lifting coal.....	1	Penwell Coal Co.....	5
Pana.....	12	Roadman.....	1	Machines.....	4	Royal Coal Co.....	13
Sawyer ville.....	1	Shovelers.....	3	Mules.....	2	Stonington Coal Co.....	10
Spring Valley.....	2	Spraggers.....	1	Pit cars.....	31	Superior Coal Co.....	16
Stanton.....	12	Trappers.....	2	Powder explosion.....	2	Vivian Coal Co.....	4
Stonington.....	7	Timbermen.....	2	Roller.....	1		
Taylorville.....	4	Trip rider.....	2	Switches.....	2		
Vir den.....	17			Wheel.....	1		
Witt.....	4						
Totals.....	111		111		111		111

Recapitulation of Non-Fatal Casualties, Nature of Injuries, Conjugal Relations and Time Lost—Seventh District, 1908.

NATURE OF INJURIES.	Number.	Married.	Single.	Children.	Dependents.	TIME LOST—DAYS.		Percent- age of injuries.
						Total.	Average.	
Ankles broken.....	2	1	1	.....	.....	192	96.00	1.80
Ankles sprained.....	1	1	.....	.....	1	40	40.00	0.90
Arms broken.....	6	1	5	.....	1	362	60.03	5.41
Arms and heads bruised.....	1	1	.....	.....	1	48	48.00	0.90
Backs injured.....	9	4	5	9	13	433	48.11	8.11
Bodies injured.....	15	7	8	13	18	720	48.00	13.52
Collar bones broken.....	2	2	.....	8	10	123	61.50	1.80
Eyes destroyed.....	1	1	.....	3	4	60	60.00	0.90
Faces injured.....	5	2	3	.....	2	211	42.20	4.51
Feet broken.....	6	1	5	3	4	417	69.50	5.41
Feet injured.....	6	2	4	1	4	213	35.50	5.41
Fingers injured.....	4	3	1	8	10	152	38.00	3.61
Hands injured.....	5	2	3	2	3	152	30.40	4.50
Heads injured.....	4	2	2	.....	1	168	42.00	3.60
Hips dislocated.....	2	1	1	4	5	85	42.50	1.80
Hips injured.....	3	.....	3	.....	.....	137	45.67	2.70
Knees sprained.....	2	2	.....	1	3	109	54.50	1.80
Legs broken.....	19	9	10	18	26	1,520	95.00	17.11
Legs injured.....	8	5	3	6	10	333	47.57	7.21
Ribs broken.....	1	1	.....	4	5	30	30.00	0.90
Ruptured.....	1	.....	1	.....	.....	90	90.00	0.90
Shoulders dislocated.....	2	.....	2	.....	.....	92	46.00	1.80
Shoulders injured.....	3	2	1	17	19	205	68.33	2.70
Toes broken.....	2	.....	2	.....	.....	65	32.50	1.80
Wrists injured.....	1	1	.....	5	6	70	70.00	0.90
Totals.....	111	51	60	102	146	6,027	56.86	100.00

Calhoun County—Seventh District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	Calhoun Brick & Clay Co.....	Golden Eagle..	2,407	.....	.....	2,407

Mines reported for 1907, 1.

Mines in 1908, 1.

Christian County—Seventh District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Springfield Coal Co., No. 6.....	Taylorville.....	226,683	26,918	20,736	274,337
2	Christian County Coal Co., No. 1.....	do.....	36,923	156,016	63,943	256,882
3	Pana Coal Co., No. 1.....	Pana.....	31,416	66,346	99,519	197,281
4	Pana Coal Co., No. 2.....	do.....		77,574	116,054	193,628
5	Stonington Coal Co., No. 1.....	Stonington.....	12,780	98,076	31,438	142,894
6	Smith-Lohr Coal Co., No. 1.....	Pana.....	42,685	36,880	62,718	142,283
7	Penwell Coal Mining Co., Penwell.....	Penwell.....	30,076	50,395	46,337	126,808
8	Assumption Coal Co., No. 1.....	Assumption.....	45,005		44,205	89,210
Totals.....			425,568	512,805	484,950	1,423,323
LOCAL MINES.						
1	Hanover Coal Co.....	Edinburg.....	800	1,000	1,000	2,800
Totals—9 mines.....			426,368	513,805	485,950	1,426,123

Mines reported for 1907, 8.

New mines, 1.

Mines in 1908, 9.

Calhoun County—Seventh District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$2,407	2,407	206	16	6	22	2,407	.....	.....	.....	.....	.....	1

Christian County—Seventh District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$255,133	222,057	52,289	214	210	98	308	274,337	.....	.....	10,193	Solid	Pneu	1
256,000	237,078	19,814	162	198	78	276	256,882	4	4	6,347	do.	do.	2
187,423	47,410	149,871	183	168	70	238	197,281	1	1	1,838	do.	Elec.	3
178,138	186,668	6,960	163	188	71	259	193,628	.....	5	1,902	do.	do.	4
178,000	132,291	10,633	134	70	75	145	.....	1	9	1,584	U. C.	Pneu	5
142,283	128,115	14,168	174	159	59	200	142,283	1	.....	1,225	Solid	Elec.	6
122,956	98,295	28,513	125	160	77	237	126,808	.....	6	1,408	do.	Pneu	7
128,641	70,952	18,258	245	107	67	174	89,210	1	7	263	do.	Elec.	8
\$1,448,574	1,122,866	300,457	181	1,251	586	1,837	1,280,429	8	32	24,760			
\$5,200	.....	2,800	120	7	8	15	2,800	.....	.....	100	.....		1
\$1,453,774	1,122,866	303,257	.....	1,258	594	1,852	1,283,229	8	32	24,860			

Greene County—Seventh District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	W. H. Allen, No. 1.....	Roadhouse.....	600	480	.....	1,080
2	E. E. Burroughs, No. 1.....	Greenfield.....	1,600	.....	.....	1,600
3	P. J. Tucker, No. 1.....	White Hall.....	4,800	.....	.....	4,800
4	White Hall Ry. Co., No. 1.....	do.....	8,084	.....	.....	8,084
Totals.....			15,084	480	.....	15,564

Mines reported for 1907, 3.

New mines, 1.

Mines in 1908, 4.

Green County—Seventh District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employés.	Total.		Killed.	Injured.				
\$ 1,850	1,080	200	5	1	6	1,080	.....	.....	.....	.....	.....	1
4,000	1,600	130	6	1	7	1,600	.....	.....	.....	.....	.....	2
9,600	4,800	275	10	1	11	4,800	.....	.....	.....	.....	.....	3
16,168	8,084	300	10	1	11	8,084	.....	.....	.....	.....	.....	4
\$31,618	15,564	226	31	4	35	15,564	.....	.....	.....	.....	.....

Macoupin County—Seventh District—1908.

Number	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Superior Coal Co., No. 1.....	Gillespie.....	.....	460,284	106,386	566,670
2	Superior Coal Co., No. 2.....	Sawyerville.....	.....	452,108	102,815	554,923
3	Superior Coal Co., No. 3.....	Gillespie.....	.....	412,454	97,473	509,927
4	Consolidated Coal Co., No. 14.....	Staunton.....	20,426	183,456	162,045	365,927
5	Royal Colliery Co., No. 1.....	Virden.....	15,822	156,862	164,996	337,680
6	Consolidated Coal Co., No. 15.....	Mt. Olive.....	24,412	166,075	129,579	320,066
7	Consolidated Coal Co., No. 6.....	Staunton.....	97,731	94,852	42,635	235,219
8	Illinois Collieries Co., No. 1.....	Virden.....	4,665	88,693	115,695	208,873
9	Consolidated Coal Co., No. 8.....	Mt. Olive.....	94,782	73,965	30,475	199,222
10	Madison Coal Corporation, No. 5.....	do.....	73,339	69,039	40,678	183,056
11	Vivian Collieries Co., Green Ridge.....	Green Ridge.....	.....	98,939	65,958	164,897
12	Consolidated Coal Co., No. 10.....	Mt. Olive.....	11,823	85,887	34,406	132,116
13	Illinois Collieries Co., No. 5.....	Girard.....	15,131	58,754	37,013	110,898
14	Consolidated Coal Co., No. 7.....	Staunton.....	11,785	51,605	45,518	108,908
15	Prairie State Coal & Coke Co., No. 1.....	Nilwood.....	63,947	1,000	1,000	65,947
16	Carlville Coal Co., No. 1.....	Carlville.....	42,211	13,920	9,590	65,721
17	Illinois Collieries Co., No. 4.....	Virden.....	18,951	11,979	12,456	43,386
18	Consolidated Coal Co., Gillespie.....	Gillespie.....	705	24,125	12,721	37,551
Totals.....			495,730	2,503,907	1,211,349	4,210,986
LOCAL MINES.						
1	Wm. Niel & Co., No. 1.....	Bunker Hill.....	.....	4,578	831	5,409
2	Bauser & Truesdale, No. 1.....	do.....	2,620	.....	1,358	3,978
3	John J. Harbaugh, No. 1.....	Chesterfield.....	1,128	.....	.....	1,128
6	Chas. Lyle, No. 1.....	Brighton.....	974	.....	.....	974
5	James Harbaugh, No. 2.....	Chesterfield.....	808	.....	.....	808
6	Cairns & Batt.....	Brighton.....	800	.....	.....	800
7	G. B. Loeper, No. 3.....	Chesterfield.....	562	.....	.....	562
8	Fritz Jerden, No. 3.....	Bunker Hill.....	120	.....	.....	120
9	Louis Lueking, No. 3.....	Brighton.....	100	.....	.....	100
Totals.....			7,112	4,578	2,189	13,879
Totals—27 mines.....			502,842	2,508,485	44,994	4,224,865

Mines reported for 1907, 27.

Mines in 1908, 27.

Macoupin County—Seventh District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$498,593	540,593	26,077	217	320	247	567	.....	2	8	3,820	U. C.	Pneu.	1
489,121	538,514	16,409	202	336	217	553	.....	3	5	3,710	do.	do.	2
447,544	495,874	14,053	228	260	209	469	.....	1	3	3,520	do.	do.	3
305,782	324,850	41,077	218	225	118	343	.....	1	1	2,353	do.	do.	4
345,950	329,412	8,268	186	225	175	400	337,680	1	13	9,263	Solid.	Elec.	5
271,336	283,181	36,885	184	234	120	354	.....	1	12	2,085	U. C.	Pneu.	6
226,679	174,516	60,702	231	163	89	252	.....	1	2	1,386	do.	do.	7
198,430	193,297	15,576	123	270	144	414	.....	2	2	2,889	Both.	do.	8
192,191	183,484	15,738	210	129	79	208	7,798	.....	1	1,054	U. C.	do.	9
183,056	155,057	27,999	183	140	90	230	.....	3	4	1,008	do.	do.	10
148,407	159,311	5,586	173	122	69	191	110,531	2	4	5,716	Both.	do.	11
119,973	122,546	9,570	144	135	87	225	.....	1	2	686	U. C.	do.	12
99,808	103,339	7,559	114	185	80	265	110,898	1	1	5,498	Solid.	do.	13
91,343	97,556	11,352	216	90	62	152	.....	1	1	707	U. C.	do.	14
62,700	59,947	6,000	156	90	35	125	65,947	.....	.....	4,500	Solid.	do.	15
54,212	47,031	18,690	177	61	32	93	65,721	.....	1	3,336	do.	do.	16
43,385	29,567	13,819	126	40	32	72	43,386	.....	4	1,842	do.	do.	17
42,042	32,218	5,333	155	33	26	59	.....	2	2	294	U. C.	do.	18
\$3,820,542	3,870,293	340,693	180	3,061	1,911	4,972	741,961	15	66	53,667			
\$7,460		5,409	210	8	1	9							1
6,962		3,978	242	3	1	4	3,978						2
1,969		1,128	175	3	1	4	1,128						3
1,704		974	81	3	1	4	974						4
1,414		808	150	3	1	4	808						5
1,400		800	200	2	1	3	800						6
984		562	100	2	1	3	562						7
210		120	75	2	1	3	120						8
175		100	115	2	1	3	100						9
\$22,278		13,879	150	28	9	37	8,470						
\$3,842,820	3,870,293	354,572	.....	3,089	1,920	5,009	750,431	15	66	.....		

Montgomery County—Seventh District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Shoal Creek Coal Co., No. 1.....	Panama.....	7,009	175,730	110,388	293,127
2	Hillsboro Coal Co., Hillsboro.....	Hillsboro.....	85,596	88,292	90,611	264,499
3	Burnwell Coal Co., No. 1.....	Witt.....	176,395	65,936	16,196	258,527
4	Kortkamp Coal Co., No. 1.....	Hillsboro.....		95,433	78,055	173,488
5	Burnwell Coal Co., No. 2.....	Witt.....	113,827	39,469	10,610	163,906
6	Clover Leaf Coal Co., No. 2.....	Coffeen.....	1,991	61,314	27,597	90,902
7	Illinois Collieries Co., No. 7.....	Litchfield.....	21,051	15,063	13,995	50,019
8	Clover Leaf Coal Co., No. 1.....	Coffeen.....	2,165	28,254	13,767	44,186
9	Peabody Coal Co., No. 1.....	Nokomis.....	16,246	10,055	15,743	42,044
Totals.....			424,280	579,516	376,872	1,380,668
LOCAL MINES.						
1	Farmersville Coal Co., No. 1.....	Farmersville.....		800	400	1,200
2	H. H. Hardin.....	Raymond.....	247	206	47	500
Totals.....			247	1,006	447	1,700
Totals—11 mines.....			424,527	580,522	377,319	1,382,368

Mines reported for 1907, 10.

New mines, 1

Mines in 1903, 11.

Montgomery County—Seventh District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$293,000	280,320	12,897	212	249	135	375	293,127	3		9,763	Solid	Pneu.	1
243,743	253,712	13,787	249	112	88	209			1	2,197	U. C.	do.	2
232,674	247,683	10,844	199	259	70	329	258,527	1	4	2,544	Solid	do.	3
173,000	168,458	5,000	218	109	42	142		1	2	1,800	U. C.	do.	4
147,515	159,351	4,555	235	105	63	165	163,996			1,899	Solid	do.	5
86,356	87,308	3,594	201	96	46	142	99,932			4,938	do.	do.	6
69,024	15,148	34,871	161	70	68	138	50,019		5	2,665	do.	do.	7
41,977	41,264	2,922	106	70	41	111	44,186			1,884	do.	do.	8
42,044	34,692	7,352	143	51	26	77	13,975			435	Both	do.	9
\$1,320,333	1,284,936	95,732	182	1,094	576	1,670	914,642	5	12	28,035			
\$2,000		1,200	120	3	8	11	1,200			40	Solid		1
1,049		500	61	2	4	6	500						2
\$3,049		1,700	91	5	12	17	1,700			40			
\$1,323,382	1,284,936	97,432	....	1,099	588	1,687	916,342	5	12	28,075			

Morgan County—Seventh District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	Chesley Wagstaff, Old.....	Murrayville.....	3,550	.....	.....	3,550
2	W. J. Fisher, New.....	do.....	3,500	.....	.....	3,500
3	E. E. Rining, Old.....	Arenzville.....	240	200	.....	440
Totals.....			7,290	200	.....	7,490

Mines reported for 1907, 2.

New mines, 1.

Mines in 1908, 3

Scott County—Seventh District—1908.

Number.	NAME OF OPERATOR.	Postoffice address. of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	W. H. Bates & Co., No. 1	Winchester.....		6,448	250	6,698
2	Wm. Kund, No. 1.....	Bluffs.....		1,080	50	1,130
3	McLaughlin Mining Co., No. 1.....	Alsey.....	1,059			1,059
4	Chas. McElwee, No. 1.....	Winchester.....	811			811
5	John McGuire, No. 1.....	Alsey.....	800			800
6	Ed Berry, No. 1.....	Exeter.....	700			700
7	Ed Rauff, No. 1.....	Bluffs.....	647			647
8	Geo. Sellers, No. 1.....	Winchester.....	457			457
9	Winchester Mining Co., No. 1.....	do.....	40			40
10	James A. Jones.....	do.....	680			680
11	Pat McGuire.....	do.....		240		240
Totals.....			5,194	7,768	300	13,262

Mines reported for 1907, 2.

New mines, 9.

Mines in 1908, 11.

Morgan County—Seventh District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$6,202		3,550	290	5		5	3,550						1
6,125		3,500	200	4		4	3,500						12
1,090		440	120	3	1	4	440						3
\$13,417		7,490	203	12	1	13	7,490						

Scott County—Seventh District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$16,620		6,698	213	26	14	40	6,698						1
2,197		1,130	300	3	1	4	1,130						2
2,118		1,059	80	9	2	11	1,059						3
1,622		811	200	3		3	811						4
1,400		800	245	4		4	800						5
1,400		700	150	5		5	700						6
1,294		647	200	3		3	647						7
914		457	200	3		3	457						8
100		40	10	8	2	10	40						9
1,360		680	200	3		3	680						10
420		240	100	3		3	240						11
\$29,485		13,262	173	70	19	89	13,262						

Shelby County—Seventh District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Century Coal Co., No. 1.....	Tower Hill.....	5,377	34,893	54,096	94,366
2	Moweaqua Coal Co., No. 1.....	Moweaqua.....	6,169	21,615	36,056	63,840
Totals.....			11,546	56,508	90,152	158,206
LOCAL MINES.						
1	B. F. Strech, No. 1.....	Shelbyville.....	2,000			2,000
2	Widick Bros., No. 1.....	Finly.....	1,740			1,740
3	Wm. Baum, No. 1.....	Shelbyville.....	1,618			1,618
4	John Anglin, No. 1.....	do.....	800			800
5	W. F. Gallager, No. 1.....	Mode.....	400			400
6	Kingston & Hickey, No. 1.....	Shelbyville.....	400			400
7	M. R. Williams, No. 1.....	do.....	125			125
Totals.....			7,083			7,083
Totals—9 mines.....			18,629	56,508	90,152	165,289

Mines reported for 1907, 11.

Abandoned mines, 2.

Mines in 1908, 9.

Shelby County—Seventh District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.			EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Belts, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.	Days of active operation.	Average number of miners.	All other employ'cs.	Total.		Killed.	Injured.				
\$95,000	87,741	6,625	213	127	39	166	94,366	.....	.....	2,305	Solid...	Elec..	1
83,623	42,284	21,556	198	66	38	104	63,840	.....	1	4,565	...do...	Pneu.	2
<u>\$178,623</u>	<u>130,025</u>	<u>28,181</u>	<u>206</u>	<u>193</u>	<u>77</u>	<u>270</u>	<u>158,206</u>	<u>.....</u>	<u>1</u>	<u>6,870</u>			
\$5,500	.....	2,000	200	8	1	9	2,000	.....	.....	.....	.....	.....	1
6,785	.....	1,740	130	16	1	17	1,740	.....	.....	.....	.....	.....	2
4,450	.....	1,618	200	15	2	17	1,618	.....	.....	.....	.....	.....	3
2,200	.....	800	200	10	1	11	800	.....	.....	.....	.....	.....	4
1,000	.....	400	200	3	.....	3	400	.....	.....	.....	.....	.....	5
1,000	.....	400	150	6	.....	6	400	.....	.....	.....	.....	.....	6
344	.....	125	20	12	2	14	125	.....	.....	.....	.....	.....	7
<u>\$21,279</u>	<u>.....</u>	<u>7,083</u>	<u>157</u>	<u>70</u>	<u>7</u>	<u>77</u>	<u>7,083</u>	<u>.....</u>	<u>.....</u>	<u>.....</u>			
<u>\$199,902</u>	<u>130,025</u>	<u>35,264</u>	<u>....</u>	<u>263</u>	<u>84</u>	<u>347</u>	<u>165,289</u>	<u>.....</u>	<u>1</u>	<u>6,870</u>			

Shipping Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Christian.....	8	425,568	512,805	32,829	55,955	332,049	64,117	1,423,323	\$1.018
Macoupin.....	18	495,730	2,503,907	44,994	33,223	796,823	336,309	4,210,986	0.907
Montgomery.....	9	424,280	579,516	68,516	11,832	293,154	3,443	1,380,668	0.956
Shelby.....	2	11,546	56,508	19,063	16,702	42,606	11,781	158,206	1.129
Total.....	37	1,357,124	3,652,736	165,329	117,712	1,464,632	415,650	7,173,183	\$0.944

Local Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Calhoun.....	1	2,407	.....	.....	.....	.....	.....	2,407	\$1.00
Christian.....	1	800	1,000	.....	.....	1,000	.....	2,800	1.857
Green.....	4	15,084	480	.....	.....	.....	.....	15,564	2.031
Macoupin.....	9	7,112	4,578	.....	662	1,527	.....	13,879	1.605
Montgomery.....	2	247	1,006	.....	400	47	.....	1,700	1.794
Morgan.....	3	7,290	200	.....	.....	.....	.....	7,490	1.791
Scott.....	11	5,194	7,768	.....	300	.....	.....	13,262	2.223
Shelby.....	7	7,083	.....	.....	.....	.....	.....	7,083	3.004
Total.....	38	45,217	15,032	.....	1,362	2,574	.....	64,185	\$2.006
Grand total.....	75	1,402,341	3,667,768	165,129	119,074	1,467,206	415,650	7,237,368	.....

Whole number of mines reported in 1907, 73.
 Number of new mines opened during the year, 6.
 Number of mines abandoned during the year, 4.
 Whole number of mines reported for 1908, 75.

Counties—Seventh District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.						Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.					Total.			From solid—Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.	All above ground.							
1,122,866	300,457	181	1,251	374	52	160	1,837	1,280,429	24,760	1,280,429	142,894	.....
3,870,293	340,693	180	3,061	1,331	144	436	4,972	741,961	53,667	623,632	3,213,584	373,770	
1,284,936	95,732	189	1,094	377	52	147	1,670	914,642	28,035	900,667	437,957	42,044	
130,025	28,181	206	193	46	5	26	270	158,206	6,870	158,206	.....	.....
6,408,120	765,063	187	5,599	2,128	253	769	8,749	3,095,238	113,332	2,962,934	3,794,435	415,814	

Counties—Seventh District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.					Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.			From solid—Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.							
.....	2,407	206	16	3	....	3	22	2,407	.....	.....	.....
.....	2,800	120	7	4	....	4	15	2,800	100	.....	.....
.....	15,564	226	31	.....	.....	4	35	15,564	.....	.....	.....
.....	13,879	150	28	.....	.....	9	37	8,470	.....	.....	.....
.....	1,700	91	5	5	....	7	17	1,700	40	.....	.....
.....	7,490	203	12	.....	1	....	13	7,490	.....	.....	.....
.....	13,262	173	70	4	....	15	89	13,262	.....	.....	.....
.....	7,083	157	70	.....	7	....	77	7,083	.....	.....	.....
.....	64,185	168	239	16	8	42	305	58,776	140	.....	.....
6,408,120	829,248	....	5,838	2,144	261	811	9,054	3,154,014	113,472	.....	.....

EIGHTH INSPECTION DISTRICT—1908.

THIRD ANNUAL REPORT.

Counties: Bond, Crawford, Effingham, Fayette, Jasper, Madison, Monroe, St. Clair.

WALTON RUTLEDGE, *Inspector, Alton.*

Hon. David Ross, Secretary Bureau of Labor Statistics, Springfield, Ill.

SIR—I have the honor to submit the third annual report of the coal mines in the Eighth Inspection district. The information contained in the statistical tables of this report gives in detail all of the prominent features of the coal industry in the district. The number of mines both shipping and local; the number of miners and other employes; the various grades of coal produced, and the number of tons in each grade; the aggregate value of the product at the mines; the disposition of the product, whether shipped by rail, sold to local consumers, or used for steam purposes at the mines; the amount of powder used in blasting the coal; the amount of coal mined by hand and by machine; the number of mining machines in use; the number of haulage motors underground; with a statement of all casualties, both fatal and non-fatal. The following summary shows an abbreviation of the principal items gathered from the tables of the coal producing counties.

Number of mines	112
Number of shipping mines	75
Number of local mines	37
Number of tons of mine run coal.....	1,488,945
Number of tons of lump coal	4,066,879
Number of tons of egg coal	260,606
Number of tons of nut coal	277,264
Number of tons of screenings (pea coal).....	1,699,077
Number of tons of duff or slack.....	308,492
Total number of tons (2,000 pounds) produced.....	8,101,263
Aggregate value of coal at the mines	\$7,191,424
Tons loaded on cars for shipment.....	7,478,923
Tons supplied to locomotives	52,932
Tons sold to the local trade	299,937
Tons wasted or used at the mines.....	269,471
Number of miners	6,456
Others employed underground	1,810
Number of boys employed underground.....	173
Number of employes above ground.....	923
Total number of employes	9,362
Average number of days in operation, shipping mines.....	173
Tons mined by hand	3,509,089
Tons mined by machines	4,592,174
Number of mines using coal cutting machines.....	30
Number of machines in use	345
Number operated by compressed air	277
Number operated by electricity	68
Number of electric motors for haulage underground.....	21

Price paid per ton for hand mining.....	\$6.55
Price paid per ton for machine mining.....	0.48
Powder used for blasting coal (kegs).....	164,830
Powder used for other purposes	121
Fatal accidents	22
Non-fatal accidents	114
Tons mined for each fatal accident.....	368,239
Fatal accidents for 1,000 employes.....	2.4
Number killed to every million tons mined.....	2.8

The following table presents the tonnage of Bond, Madison and St. Clair counties, for the years 1907-1908:

COUNTIES.	TOTAL TONS, ALL GRADES OF COAL.		Increase.	Decrease.
	1907	1908		
Bond.....	136,967	103,518	.....	33,449
Madison.....	3,573,163	3,584,106	10,943	.....
St. Clair.....	4,435,070	4,413,639	.....	21,431
Totals.....	8,145,200	8,101,263	10,943	54,880
Net decrease.....	.....	.....	.....	43,937

The district shows a decrease of 43,937 tons. Bond county shows the largest decrease, this is on account of the Illinois Collieries Company closing down its No. 6 mine in January, 1908.

St. Clair county shows a loss of 21,431 tons. This is partly due to three mines which have not been operated during the year. The Swansee Coal Company's mine, Belleville; the Silver Creek Coal Company's mine at O'Fallon and the Southern Coal and Mining Company's mine No. 6, Belleville; these mines have not been abandoned but are in condition to be operated at any time.

There were also ten other mines in St. Clair county which have not been operated since March 31, 1908, there being so little demand for coal, it did not pay the operators to run their mines. The shipping mines that were operated only show an average of 173 working days. The number of mines now opened out in this district could produce an output of over 8,000,000 tons of coal yearly providing a market could be found for the coal.

IMPROVEMENTS.

The following is a detailed list of the various improvements made in and about the mines of the district during the past year.

The Mississippi Colliery Company, Smithsboro, Bond county, has opened up the old mine at that place, taking the water out and retimbering both shafts; putting in large first motion engines; large boilers, new engine and boiler house, with a new and substantial tower, and out buildings.

The St. Louis and O'Fallon Coal Company, St. Clair county, has done a great deal of grading and has put in heavy rails also installed electric haulage in both of its mines.

The Donk Bros. Coal and Coke Company, Madison county, has installed electric haulage in its Maryville mine, also made separate traveling ways for men and mules.

The Bressmer Washed Coal Company at its White Oak mine, St. Clair county, has erected a new 20 foot fan; also improved the escapement shaft and underground works at its Lenzburg mine, also recased the fan, which has improved the ventilation one hundred per cent. At its advance mine a new 16 foot fan has been put in and a cage and engine installed at the air shaft and the underground works greatly improved

A new 20 foot fan has been installed at the T. M. Meeks mine, Marissa, St. Clair county.

The Johnson Coal Company, Marissa, St. Clair county has retimbered the air shaft; also put in a new engine and cage at its mine at Freeburg.

Breck & Schliming, Belleville, St. Clair county, have erected a new tower, also retimbered and enlarged the hoisting shaft of their mine.

L. Senior at the branch mine, Belleville, has installed coal cutting machinery, a Norwalk compressor and six Harrison punching machines.

The Lebanon City Coal Company has installed coal cutting machinery a Norwalk compressor and four Harrison punching machines.

The Highland Coal Company, Belleville, has retimbered both of its shafts.

The White and Nesbit Coal Company, Belleville, has retimbered the hoisting shaft at its mine.

The Pittsburg Coal Company, Belleville, has retimbered the main shaft of its mine.

The Consolidated Coal Company has retimbered the main shaft of its Green Mount mine, Belleville.

The International Coal and Mining Company, O'Fallon, has retimbered both shafts at its Bennett mine; also put in a new stairway in the escape-ment shaft at its carbon mine.

The Consolidated Coal Company has erected a new tower, and installed a new fan at its Gartside mine, near Belleville. This mine is now known as the Dewey mine.

The Glendale Coal Company, Belleville, has retimbered the air shaft of its mine.

The Consolidated Coal Company (Herman Phul, lessee), has erected a new tower and retimbered the main shaft at its Richland mine near Belleville.

The Missouri and Illinois Coal Company has erected a new tower, and improved the top works at its Rentchler mine, St. Clair county.

Grading and installing heavy T rails has been done at the following mines: St. Ellan mine of the Taylor Coal Company; No. 17 mine of the Consolidated Coal Co., near Collinsville; No. 8 mine of the Southern Coal and Mining Company, Shiloh, St. Clair county, and at No. 2 mine of the Mt. Olive and Staunton Coal Company, Madison county. The Edwardsville Coal Company has installed a new box car loader at its Edwardsville mine, Madison county.

ABANDONED MINES.

The Consolidated Coal Company of St. Louis, Mo., has abandoned its No. 3 and Heintz Bluff mines at Collinsville, Madison county. The Madison Coal Corporation has abandoned its No. 7 mine at Ogles Station, St. Clair county.

CHANGE OF NAME.

The John T. Nixon mine, Marissa, St. Clair county will be known from this time on as the Little Muddy mine. The Geo. Penn mine will be known as The Edge Mount Coal Company. The Hippard mines at Belleville will be known as The Vulcan Coal and Mining Company. The Consolidated Coal Company's Gartside mine, will be known as The Dewey Coal Company. The Southern Coal Mining Company's No. 2 mine will be known as the Harmony Coal Company. The Bessmer Washed Coal Company of St. Louis, Mo., is now operating The Oak Ridge Coal Company's mine at White Oak, also the Advance mine at Marissa and The Terrie Coal Company's mine at Lenzburg.

FATAL ACCIDENTS.

The following is the detailed information of the fatal accidents which have occurred in the district during the year ended June 30, 1908:

July 31, 1907, Stephen Hesse, miner, aged 48 years, married, employed in the Missouri and Illinois Coal Company's mine, Wildeman, St. Clair county. Deceased was mining out a standing shot, when the coal fell away and caught him, killing him instantly. He leaves a widow.

September 24, 1907, Florin Kloeck, miner, aged 23 years, single, was instantly killed by falling clod, at the working face, in the Madison Coal Corporation Company's No. 4 mine, Glen Carbon, Madison county. He was in the act of taking the clod down, when it fell and caught him.

October 2, 1907, Louis Malench, miner, aged 18 years, working with his father in the mine of the new Staunton Coal Company, Livingston, Madison county. Deceased was seriously burned by an explosion of powder. He was making a cartridge, when it is supposed his lamp, or a spark from his lamp, fell into the powder keg causing the explosion. He died the following day.

October 10, 1907, Fred Raeber, miner, aged 27 years, single, was killed in No. 1 mine of the St. Louis and O'Fallon Coal Company, near French Village, St. Clair county. Deceased was taking down coal previously left by shots, when a body of coal fell away very suddenly and caught him underneath.

October 15, 1907, Anton Kavanda, machine helper, aged 47 years, married, employed in Henrietta Coal Company's mine, Edwardsville, Madison county was instantly killed by a slab of clod falling on him. A room had been shot from the solid. Deceased and his partner, the machine runner, had taken the machine into the room to commence cutting, they found some loose coal there and was loading it out, when the clod fell and caught Kavanda underneath. He leaves a widow and two children.

November 6, 1907, Jacob Rogi, shot frir, aged 40 years, married, employed in the Meeks Coal Company's mine, Marissa, St. Clair county, was killed by coal flying from a shot. Deceased and his partner were firing shots in the first and second west entries off the north side of the shaft. They fired a sumping or bursting shot on the rib in the second west entry; and then went into the first entry and fired shots. There were two more shots to be fired in the second west entry; both men went into this entry and lighted the shots; a great deal of smoke had gathered there, left from the first sumping shot, the men got bewildered from the smoke and could not find the way out, one of the shots went off and both men were struck with flying coal. He leaves a widow and three children.

November 9, 1907, Geo. A. Faith, driver, aged 20 years, single, was injured in the Southern Coal and Mining Company's No. 8 mine, Shiloh, St. Clair county by falling in front of a loaded trip. It was not known how he came to fall in front of trip, his left leg was broken above the knee. He was taken to the hospital at Belleville. The doctors wanted to amputate the leg, but his parents objected, the result was blood poison set in, which caused his death January 1, 1908.

November 15, 1907, John Gnesky, machine helper, aged 30 years, single, employed in the Lumaghi Coal Company's No. 2 mine, Collinsville, Madison county, was instantly killed by falling coal from the face of a room, which was being cut by the machine; when the coal fell it caught his head on the machine board; the coal had been shattered by previous shots, and had not been blocked or sounded.

November 25, 1907, John B. Price, mine manager, aged 40 years, married, employed at the mine of the Johnson Coal Company, Marissa, St. Clair county. Deceased was in the elevator house examining something about the elevator chains, in some way his feet got entangled in the conveyor buckets, when his feet and legs were crushed. He was taken to the hospital at Belleville; the doctors amputated one of his legs but he died from the shock December 31, 1907. He leaves a widow and two children.

December 2, 1907, Gustav Messenbach, machine helper, aged 25 years, single, employed in the No. 8 mine of the Southern Coal and Mining Company, Belleville, was instantly killed by coming in contact with electric wires. Deceased was working with John Schneider as a helper at the electric coal cutting machine; while the machine was backing out, after having made a cut, the safety plug on the machine broke; Schneider went to get the electrician, and a new plug; while he was gone Messenbach commenced to work on the machine trying to take out the broken plug, without turning off the electric current, while at work his neck came in contact with the feed wire, which caused instant death.

December 13, 1907, Otto Kanlen, machine runner, aged 25 years, single, employed in the mine of the DeCamp Coal Company, near Staunton, Madison county, was fatally injured by a flying cap piece. Deceased was mining a room, and when he cut up to the center of the room, where the hauling track was, the machine truck was standing on the track being in the way of the machine, he tried to push the truck back, it upended and when it dropped back, struck a cap piece, which flew up and struck Kanlen on the head; he finished his days work walked two miles home, washed and eat a good supper; his head began to hurt him and he was taken to the doctor at Staunton, and to his sister's home, where he died 22 hours after the accident. The doctor stated congestion of the brain was the cause of his death.

December 14, 1907, John Satorie, miner, aged 30 years, married, employed in the mine of the DeCamp Coal Company, near Staunton, Madison county, was instantly killed by falling clod, from the face of a room, where he was working. His partner testified that they knew the clod was loose and that they had tried to take it down, but had failed; they then went on loading coal and had just about finished loading a car, when the clod fell striking Satorie. Deceased leaves a widow and two children in Italy.

December 14, 1907, John Rickert, miner, aged 34 years, married, working in No. 1 mine of the St. Louis and O'Fallon Coal Company, French Village, St. Clair county, was killed by falling slate. Deceased and his partner were taking down top coal; the coal had fallen and they were cleaning up intending to put up a cross bar under the slate, when it suddenly fell and caught Rickert underneath.

December 16, 1907, John Slobski, miner, single, aged 30 years, working in the mine of the Cluly-Miller Coal Company near Caseyville, St. Clair county, was killed instantly by falling slate. Deceased was prying some coal down with a bar, the coal had been left up by a previous shot; when suddenly the coal fell away, knocking out a prop, and the slate falling caught him underneath.

February 4, 1908, Joseph Guicesavaje, miner, aged 28 years, married, working in mine No. 2 of the Lumaghi Coal Company Collinsville, Madison county, was seriously injured by falling slate at his working face. Deceased was loading a car of coal when the slate which was about one and a half inches thick fell and caught him underneath. He died the same day, and leaves a widow and one child.

May 13, 1908, George Ehret, miner, aged 34 years, married working in the No. 2 mine of the St. Louis and O'Fallon Coal Company, near O'Fallon, St. Clair county, was killed by a premature blast. Deceased was in the act of charging a hole, using a scraper to push the cartridge of powder into the hole; it is supposed the cartridge had bursted and that the scraper striking sulphur produced a spark which caused the powder to explode. Some other cartridges which were to be used in other holes, also exploded, burning him severely. His body was badly bruised by the flying coal from the first shot. He leaves a widow and two children.

May 13, 1908, Joseph Macke, miner, aged 35 years, married, was fatally injured by flying coal, died July 22, 1908. Deceased was working with Geo. Ehret who was killed by a premature blast, when coal flying from the

blast that killed Ehret struck him, bruising him very severely. He was at work loading a mine car, when the flying coal struck him. He leaves a widow and two children.

May 15, 1908, George Casper, miner, aged 27 years, single, working in mine No. 3 of the Lumaghi Coal Company, Collinsville, Madison county, was killed while loading coal at the face of a room by falling slate.

May 15, 1908, Wm. Parrish, miner, aged 40 years, widower, working in the mine of Perry Myers, Bethalto, Madison county. Deceased was wedging down some coal left from a previous shot when the coal falling suddenly caught him underneath. He was removed to the hospital at Alton where he died June 22, 1908. He leaves five orphan children.

June 24, 1908, P. D. Zoncllick, miner, aged 27 years, married, working in the mine of the DeCamp Coal Company, DeCamp, Madison county, was fatally injured by falling clod at the working face. He died in the hospital, July 1, 1908, leaving a widow and one child.

June 24, 1908, Louis Weiemann, driver, aged 22 years, single, working in No. 2 mine of the Donk Bros. Coal and Coke Company, Maryville, Madison county. Deceased was making his first trip in the morning and in coming out on to the main haulage way he fell off the trip, the cars passing over his body, causing his death. It was not known just how or what caused him to fall off the trip as no one was present.

June 26, 1908, John Hammon, Jr., miner, aged 20 years, single, working in the mine of the Diamond Joe Coal Company, Millstadt, St. Clair county, was fatally injured by falling top coal. His spinal column was fractured. He died August 5, 1908.

There have been three other deaths at the mines in the district, during the year, also one man badly injured, so as not to be able to work in the mines again. These deaths cannot be recorded as occurring in the mining of coal. They are as follows:

July 1, 1907, Louis Cologna and August Genette, miners, were killed by an explosion of powder and Joseph Welsh severely injured in the Consolidated Coal Company's No. 17 mine near Collinsville, in St. Clair county; and Edward Evans, a boy 12 years of age, was scalded to death at the Bessmer Washed Coal Company's mine at White Oak, St. Clair county, October 9, 1907. On Saturday night June 29, 1907, Joseph Genette and Joseph Yadra, two miners, from Glen Carbon, Madison county, went to the No. 17 mine of the Consolidated Coal Company, going down the stairway of the escapement shaft, and into the working place of Louis Cologna and August Genette, (which was the face of the main north entry) they opened the powder box belonging to Cologna and Genette, which contained parts of two kegs of powder, and fixed up an infernal machine, consisting of a double barrelled pistol, with wires attached to the trigger of the pistol, and so connected to the lid of the box, that when the lid was lifted the pistol would explode and set off the powder. On Monday morning, July 1, 1907, Louis Cologna and August Genette in company with Joseph Welsh, went into the mine to go to work as soon as they got within 100 feet of the working face, where the powder box was standing Louis Cologna started to open the powder box, he had lifted the lid about one quarter distance up, when an explosion occurred, throwing all three men to the ground, Cologna and Genette were severely burned, Cologna died at noon the same day. Genette died July 4, 1907. Joseph Welsh is yet alive, but will not be able to work as a miner again.

Through the good services of the city marshals of Glen Carbon and Collinsville and the State's attorney of St. Clair and Madison counties, Joseph Genette, a cousin of August Genette was arrested for the crime; he afterwards confessed that Joseph Yadra and himself, had planned the infernal machine, which killed Louis Cologna and August Genette and severely injured Joseph Walsh. Joseph Genette and Joseph Yadra are now both serving life terms in the State prison for the crime.

As regards the death of the boy, Edward Evans, his brother Roy Evans, was night engineer at the White Oak mine, the boy was in the boiler room, his brother Roy Evans was standing on a box working at the feed pipe of the boiler with a wrench; the feed pipe bursted and the boy standing near it was scalded to death. Roy Evans the engineer, was also severely scalded.

The tables of the fatal and non-fatal accidents with the regular county tables follow, giving the detailed information of the coal mining industry of the district.

Respectfully submitted,

WALTON RUTLEDGE.

State Inspector of Mines, 8th District, Alton, Illinois.

Fatal Casualties—Eighth District—1908.

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	Widows.	Children.	Single. Persons dependent.	Cause of Accident.
1907									
July 31	Stephen Hesse.....	48	Miner.....	Freeburg.....	1	1		1	Falling coal.....
Sept. 24	Florin Kloeck.....	23	do.....	Glen Carbon.....			1		Falling clod.....
Oct 2	Louis Malench.....	18	do.....	Livingston.....			1		Powder explosion.....
10	Fred Raeber.....	27	do.....	Belleville.....			1		Falling coal.....
15	Anton Kavanda.....	47	Mac. help.....	Edwardsville.....	1	1	2	3	Falling clod.....
Nov. 6	Jacob Rogi.....	40	Shot firer.....	Marissa.....	1	1	3	4	Flying coal.....
9	Geo. A. Faith.....	20	Driver.....	Belleville.....			1		Pit car.....
15	John Guesky.....	30	Machine help.....	Collinsville.....			1		Falling coal.....
25	John B. Price.....	40	Mine manager.....	Marissa.....	1	1	2	3	Elevator machinery.....
Dec. 2	Gustav Messenbach.....	25	Machine help.....	Belleville.....			1		Electric wire.....
13	Otto Kaulen.....	25	Mac. runner.....	Staunton.....			1		Cap piece.....
14	John Satorie.....	30	Miner.....	do.....	1	1	2	3	Falling clod.....
14	John Rickert.....	34	do.....	Belleville.....	1	1	4	5	Falling slate.....
16	John Slobski.....	30	do.....	O'Fallon.....			1		do.....
1908									
Feb. 4	George Eruseine.....	28	do.....	Collinsville.....	1	1	1	2	do.....
May 13	Geo. Ehret.....	34	do.....	Belleville.....	1	1	2	3	Premature blast.....
13	Jos. Macke.....	35	do.....	do.....	1	1	2	3	Flying coal.....
15	Geo. Casper.....	27	do.....	Collinsville.....			1		Falling slate.....
15	Wm. Parrish.....	40	do.....	Bethalto.....	1	1	5	5	Falling coal.....
June 24	P. D'Zeuschlick.....	27	do.....	Staunton.....	1	1	1	2	Falling clod.....
24	Louis Wieseman.....	22	Driver.....	Marysville.....			1		Pit car.....
26	John Hammon, Jr.....	20	Miner.....	Millstadt.....			1		Falling coal.....
Total—22.....					11	10	24	11	34

Recapitulation of Fatal Casualties—Eighth District—1908.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Belleville.....	6	Driver.....	2	Cap piece.....	1	Clue & Miller Coal Co.....	1
Bethalto.....	1	Mach. helper.....	3	Elevator machinery.....	1	DeCamp Coal Co.....	3
Collinsville.....	3	Mach. runner.....	1	Electric wire.....	1	Donk Bros.' Coal Co.....	1
Edwardsville.....	1	Mine manager.....	1	Falling coal.....	5	Dimond Joe Coal Co.....	1
Freeburg.....	1	Miners.....	14	Falling slate.....	4	Henrietta Coal Co.....	1
Glen Carbon.....	1	Shot firer.....	1	Falling clod.....	4	Johnson Coal Co.....	1
				Flying coal.....	2		
Livingston.....	1			Pit cars.....	2	Launmaghi Coal Co.....	3
Marissa.....	2			Powder explosion.....	1	Madison Coal Co.....	1
Maryville.....	1			Premature blast.....	1	Meyers, P. C. Co.....	1
Millstadt.....	1					Mo. & Ill. Coal Co.....	1
O'Fallon.....	1					New Staunton Coal Co.....	1
Staunton.....	3					St. L. & O'Fallon C. Co.....	4
						Southern Coal Co.....	2
						Weeks, T. M. Coal Co.....	1
Totals.....	22		22		22		22

Non-Fatal Casualties—Eighth District—1908.

Date.	Name.	Residence. (Town.)	Age.	Married.	Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1907									
July	1 Louis Herbert.....	27 Troy.....	1	1	1	2	Arm broken, falling slate.	70	
	7 Frank Titler.....	26 Collinsville.....	1	1	1	1	Body bruised, kicked by mule.	36	
	10 Louis Wechner.....	40 do.....	1	1	1	1	Leg broken, falling slate.	90	
	11 Robt. Dickhouse.....	44 Staunton.....	1	1	1	1	Ankle sprained, falling coal.	32	
	17 Ruso Sutton.....	39 Sorento.....	1	1	1	1	Knee injured, pit car.	40	
	22 Andrew Lovench.....	40 Collinsville.....	1	1	2	3	Body bruised, pit car.	40	
	24 Jos. Fuchs.....	51 do.....	1	1	6	7	Body bruised, falling coal.	*	
	30 Carl Althardt.....	20 do.....	1	1	1	1	Body bruised, kicked by mule.	40	
Aug.	3 Geo. Vetter.....	24 Troy.....	1	1	2	3	Arm bruised, falling coal.	36	
	9 Walter Hatfield.....	59 Collinsville.....	1	1	3	4	Foot bruised, falling slate.	30	
	8 Arthur McCarlool.....	45 Troy.....	1	1	1	2	Back injured, falling coal.	30	
	9 Walter Hatfield.....	22 Collinsville.....	1	1	1	2	Body bruised, pit car.	51	
	21 Joseph Boetts.....	19 O'Fallon.....	1	1	1	1	Leg injured, chain and box.	30	
	23 Dave Compton.....	16 Staunton.....	1	1	1	1	Knee bruised, pit car.	70	
	25 Peter Pamathe.....	47 Collinsville.....	1	1	3	4	Eye injured, flying coal.	90	
	27 Alfred Cebulski.....	32 Belleville.....	1	1	1	1	Arm broken, falling coal.	65	
	28 Harry Thompson.....	26 French Village.....	1	1	2	3	Back bruised, falling slate.	35	
Sept.	3 John Vitala.....	38 Williamson.....	1	1	1	1	Arm bruised, pit car.	36	
	3 Cormack Relieg.....	51 Edwardsville.....	1	1	1	1	Thumb cut off, pit car.	32	
	7 Louis Davis.....	24 do.....	1	1	1	1	Body bruised, pit car.	60	
	9 Henry Harmonising.....	27 do.....	1	1	3	4	Head bruised, falling clod.	90	
	10 J. Codona.....	28 Livingston.....	1	1	1	1	Eye injured, flying coal.	30	
	10 Andrew Shuh.....	43 Belleville.....	1	1	1	1	Hip dislocated, falling slate.	40	
	19 Matt Mills.....	40 Collinsville.....	1	1	1	1	Head bruised, falling clod.	35	
	23 Frank Malone.....	29 Belleville.....	1	1	1	1	Body bruised, kicked by mule.	40	
	28 Albert Karvelot.....	18 Collinsville.....	1	1	1	1	Foot bruised, pit car.	50	
	28 C. Devica.....	28 Livingston.....	1	1	2	3	Leg broken, flying coal.	30	
	28 Fred Graffe.....	47 Maryville.....	1	1	7	8	Arm broken, falling board.	95	
Oct.	9 Roy Evans.....	26 Tilden.....	1	1	2	3	Body scalded, bursting steam pipe.	51	
	9 Jesse Hall.....	33 Belleville.....	1	1	4	5	Finger mashed, machine.	30	
	10 George Kuvuse.....	22 Collinsville.....	1	1	1	1	Foot bruised, mule stepping on it.	70	
	15 John Snadden.....	60 do.....	1	1	6	7	Body bruised, falling slate.	60	
	22 Sam Ballinger.....	23 Belleville.....	1	1	2	3	Hand broken, windlass.	32	
	22 A. Crestfield.....	30 Livingston.....	1	1	3	4	Body bruised, mule.	*	
	26 John Adamick.....	45 Glen Carbon.....	1	1	4	5	Knee dislocated, falling clod.	35	
	26 James Sullivan.....	26 Belleville.....	1	1	1	1	Head injured, machine.	30	
	28 Jas. Renno.....	26 do.....	1	1	1	1	Leg broken, falling slate.	90	
	28 Henry Fouke.....	17 do.....	1	1	1	1	Foot dislocated, pit car.	40	
	30 John Kunciter.....	19 Edwardsville.....	1	1	1	1	Back injured, falling coal.	*	
Nov.	5 Andrew Bonda.....	23 Williamson.....	1	1	1	1	Body bruised, pit car.	35	
	5 Geo Mynehardt.....	30 Marissa.....	1	1	3	4	Body bruised, falling from dump cart.	60	
	9 John Katineck.....	29 E. St. Louis.....	1	1	1	1	Leg injured, falling clod.	30	
	11 C. Yackel.....	26 Livingston.....	1	1	1	1	Leg injured, pit car.	40	
	13 Halbert Hirman.....	46 Staunton.....	1	1	4	5	Leg broken, falling coal.	75	
	15 Wm. Jendrock.....	40 Edwardsville.....	1	1	5	6	Back broken, falling slate.	*	
	15 John Fedrickgen.....	30 Staunton.....	1	1	1	2	Body bruised, falling clod.	90	
	15 Gus. Gohl.....	20 Belleville.....	1	1	1	1	Leg injured, pit car.	60	
	18 Gus. Kelly.....	24 Belleville.....	1	1	1	1	Hip crushed, pit car.	*	
	18 Frnk Bokas.....	33 French Village.....	1	1	1	1	Body bruised, pit car.	51	
	20 M. B. North.....	49 Glen Carbon.....	1	1	1	1	Arm injured, falling coal.	90	
Dec.	4 Henry Gerfen.....	55 Troy.....	1	1	1	2	Ribs fractured, falling coal.	30	
	11 Jos. Wyld.....	27 Worden.....	1	1	1	1	Ankle dislocated, falling coal.	60	
	16 Chas. Matheros.....	45 Collinsville.....	1	1	2	3	Body bruised, pit car.	62	
	16 Herman Kruse.....	28 New Athens.....	1	1	1	1	Body bruised, pit car.	48	
	17 Wm. Gukik.....	35 Troy.....	1	1	1	1	Body bruised, falling slate.	54	
	20 John May.....	28 Pocaiontas.....	1	1	1	1	Body burnt, gas explosion.	38	
	20 Wm. Amling.....	19 French Village.....	1	1	1	1	Toe broken, falling rail.	32	
	24 John Salosky.....	29 Livingston.....	1	1	1	1	Back and head injured, falling rock.	30	
	28 Wm. Stenehamser.....	35 Marissa.....	1	1	1	1	Body bruised, falling slate.	40	
	30 W. B. Nelson.....	25 Belleville.....	1	1	1	2	Knee sprained, pit car.	30	
1908									
Jan.	6 R. Wireman.....	21 Collinsville.....	1	1	1	1	Arm fractured, pit car.	*	
	7 Anton Georgia.....	46 Williamson.....	1	1	2	3	Body bruised, falling clod.	42	
	7 L. J. Briers.....	26 Livingston.....	1	1	1	1	Back injured, car and prop.	50	

Non-Fatal Casualties—Eighth District—Concluded.

Date.	Name.	Age.	Residence. (Town.)	Married.	Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1908									
Jan.	7 C. Puttallz.....	30	Edgement.....	1	...	...	1	Hand bruised, falling coal.....	36
	8 R. Coalhouse.....	40	Collinsville.....	1	...	5	6	Foot injured, pit car.....	43
	10 Nick Tierch.....	36	Belleville.....	1	...	3	4	Body bruised, falling clod.....	35
	11 Jas. Barnes.....	23	E. St. Louis.....	1	...	...	1	Body injured, kicked by mule..	71
	13 Ed. Barnes.....	16	do.....	1	1	...	1	Leg bruised, pit car.....	47
	13 R. R. Haig.....	32	Collinsville.....	1	...	6	7	Head bruised, premature explosion.....	72
	13 Louis Ringerson.....	53	Belleville.....	1	...	2	3	Body bruised, falling slate.....	40
	15 John Trompot.....	21	Collinsville.....	1	1	...	...	Foot injured, pit car.....	60
	18 Jos. Spencer.....	24	Livingston.....	1	1	...	...	Foot bruised, pit car.....	40
	21 John Ditto.....	54	Worden.....	1	...	...	1	Ankle dislocated, falling coal.....	50
Feb.	1 Jerry Carroll.....	70	Troy.....	1	...	...	1	Body injured, falling slate.....	30
	6 S. Sawchak.....	40	Livingston.....	1	...	3	4	Foot injured, falling slate.....	30
	7 Henry Dirkis.....	35	Belleville.....	1	...	3	4	Body bruised, falling slate.....	38
	8 E. Hellas.....	39	Maryville.....	1	...	6	7	Leg broken, falling slate.....	*
	10 Frank Zack.....	48	Edwardsville.....	1	...	6	7	Arm bruised, pit car.....	30
	12 Jacob Sinke.....	32	Freeburg.....	1	...	3	4	Body bruised, falling coal.....	40
	13 John Rowinsky.....	42	Collinsville.....	1	...	...	1	Knee bruised, pit car.....	32
	17 A. Jubelt.....	40	Livingston.....	1	...	6	7	Head injured, flying coal.....	30
	17 J. Lockner.....	25	Livingston.....	1	1	...	...	Hand, broken, falling cross bar.	30
	21 Thos. Wood.....	30	Farmington.....	1	...	...	1	Shoulder broken, falling slate.....	30
	22 Roy Kahn.....	21	Marissa.....	1	1	...	2	Leg broken, pit car.....	65
	25 Aug. Albright.....	33	Belleville.....	1	...	3	4	Leg broken, falling coal.....	90
	25 V. Herron.....	30	Troy.....	1	...	...	1	Leg bruised, pit car.....	40
Mar.	6 John Schock.....	23	Maryville.....	1	1	...	...	Foot bruised, falling coal.....	32
	7 C. Craven.....	21	Livingston.....	1	...	...	...	Hand broken, falling from box	30
	7 D. Moliner.....	38	Marysville.....	1	1	...	...	Body bruised, falling slate.....	30
	7 Joseph Blonquert.....	25	Collinsville.....	1	1	...	...	Hip dislocated, pit car.....	60
	10 Mike Pemmellis.....	38	Marissa.....	1	...	2	3	Head injured, flying coal.....	55
	10 John Collins.....	23	Troy.....	1	1	...	...	Back injured, falling slate.....	30
	12 Andy Newjoke.....	18	Collinsville.....	1	1	...	...	Arm bruised, pit car.....	60
	13 Frank Hoepsh.....	40	Belleville.....	1	...	4	5	Leg broken, pit car.....	*
	13 Frank Staten.....	33	Collinsville.....	1	...	3	4	Body bruised, pit car.....	59
	24 Tony Neuschansky.....	30	Livingston.....	1	1	...	...	Body bruised, machine.....	30
	24 Chas. Vivian.....	28	Rentchler.....	1	...	3	4	Hip dislocated, pit car.....	*
	25 Joseph Lenk.....	31	Livingston.....	1	1	...	...	Ankle injured, falling slate.....	30
	25 Frank Meyer.....	47	Belleville.....	1	...	6	7	Back and shoulder bruised, falling slate.....	47
	28 H. G. Haywood.....	33	Collinsville.....	1	...	...	1	Leg bruised, falling coal.....	32
	28 Henry Huer.....	25	Belleville.....	1	...	...	1	Back injured, pit car.....	42
	30 Chas. Marchande.....	32	Collinsville.....	1	...	...	1	Body bruised, falling slate.....	40
May	12 Adam Gonig.....	28	Belleville.....	1	...	2	3	Body bruised, falling rock.....	35
	13 John Dundock.....	50	Glen Carbon.....	1	...	...	...	Hip dislocated, falling off railroad car.....	*
	29 Jas. Gracomone.....	28	Collinsville.....	1	...	2	3	Finger injured, falling slate.....	30
	29 Nick Paul.....	60	do.....	1	...	3	4	Leg broken, descending cage.....	30
June	4 Chas. O. Malio.....	25	Livingston.....	1	...	1	2	Body bruised, falling coal.....	*
	4 Chas. Krautz.....	50	Belleville.....	1	...	...	...	Arm broken, pit car.....	*
	6 Frank Pedrockta.....	28	Livingston.....	1	...	1	2	Head injured, flying coal.....	*
	6 Richard Wiseman.....	21	Collinsville.....	1	...	...	1	Arm broken, pit car.....	60
	8 Walter Schmidt.....	40	Belleville.....	1	...	...	...	Head and hand injured, falling clod.....	*
	14 Jas. Gaunot.....	21	do.....	1	...	...	...	Leg broken, pit car.....	*
	16 John Gambel.....	45	do.....	1	...	3	4	Leg broken, falling slate.....	*
	16 Frank Maun.....	26	Collinsville.....	1	...	2	3	Body bruised, fell in sump.....	*
	Total.....			67	47	151	217		

*Not recovered July 1, 1908.

Total number of men injured.....	114
Number not recovered July 1, 1908.....	17
Number recovered July 1, 1908.....	97
Total time lost by men recovered, days.....	4,519
Average time lost by men recovered, days.....	46.59

Recapitulation of Non-Fatal Casualties—Eighth District—1908.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Belleville	23	Cagers.....	5	Bursting steam pipe..	1	Belleville & O'Fallon C. Co	1
Collinsville.....	25	Car pilers.....	3	Chain and box.....	1	Bessemer Washed Coal Co..	1
East St. Louis...	3	Car trimmers...	1	Descending cage.....	1	Bordens Coal Co.....	1
Edgemont.....	1	Drivers.....	32	Falling board.....	1	Brookside Coal Co.....	1
Edwardsville.....	6	Engineer.....	1	Falling clod.....	8	Consolidated Coal Co.....	15
Farmington.....	1	Laborers.....	5	Falling coal.....	17	DeCamp Coal Co.....	3
French Village...	3	Loaders.....	6	Falling cross bar.....	1	Donk Bros. Coal Co.....	16
Freeburg.....	1	Mach. helpers...	1	Falling from box.....	1	Edwardsville Coal Co.....	1
Glen Carbon.....	3	Mach. runners...	1	Falling from cart.....	1	Glendale Coal Co.....	2
Livingston.....	15	Miners.....	43	Falling in sump.....	1	Henrietta Coal Co.....	1
Marissa.....	4	Motormen.....	2	Falling off car.....	1	Home Trade Coal Co.....	1
Maryville.....	4	Shot firers.....	2	Falling rail.....	1	Illinois Collieries Co.....	1
New Athens.....	1	Shovelers.....	3	Falling rock.....	2	International Coal Co.....	1
O'Fallon.....	1	Timbermen.....	4	Falling slate.....	23	Johnson Coal Co.....	2
Pocahontas.....	1	Trappers.....	2	Flying coal.....	6	Jones Bros. Coal Co.....	2
Rentchler.....	1			Gas explosion.....	1	Kerns-Donnewald.....	2
Sorento.....	1			Machine.....	3	Kolb Coal Co.....	1
Staunton.....	4			Mule.....	2	Lattmann, Wm. Coal Co...	1
Tilden.....	1			Mule, kicked by.....	4	Lumaghi Coal Co.....	7
Troy.....	10			Pit cars.....	35	Madison Coal Corporation..	6
Williamson.....	3			Powder explosion.....	1	Missouri & Illinois C. Co..	1
Worden.....	2			Railroad cars.....	1	Mt. Olive & Staunton.....	5
				Windlass.....	1	New Staunton Coal Co.....	16
						Pocahontas Coal Co.....	1
						Prairie Coal Co.....	1
						Royal Coal Co.....	2
						St. Louis & O'Fallon.....	19
						Southern Coal Co.....	1
						Summitt Coal Co.....	1
						Superior Coal Co.....	1
Totals.....	114		114		114		114

Recapitulation of Non-Fatal Casualties, Nature of Injuries, Conjugal Relations and Time Lost—Eighth District—1908.

NATURE OF INJURIES.	Number.	Married.	Single.	Children.	Dependents.	TIME LOST—DAYS.		Percent- age of injuries.
						Total.	Average.	
Ankles dislocated.....	2	2			2	110	55.00	1.75
Ankles sprained.....	2	1	1		1	62	31.00	1.75
Arms broken.....	6	2	4		11	290	72.50	5.26
Arms bruised.....	5	3	2	8	11	252	50.40	4.39
Backs broken.....	1	1		5	6			.88
Backs injured.....	1	2	5	2	4	217	36.17	6.14
Backs and shoulders injured.....	1	1		6	7	47	47.00	.88
Bodies injured.....	33	24	9	50	73	1,378	47.52	28.95
Eyes injured.....	6	1	1	3	4	120	60.00	1.75
Feet injured.....	6	3	6	11	14	395	43.89	7.89
Fingers masbed.....	3	1		6	8	60	30.00	1.75
Hands broken.....	3	1	2	2	3	60	30.00	2.63
Hands bruised.....	2	2			1	66	33.00	1.75
Heads injured.....	6	5	1	18	23	282	56.40	5.26
Heads and hands injured.....	1		1					.88
Hips crushed.....	1		1					.88
Hips dislocated.....	4	1	3	3	4	100	50.00	3.51
Knees bruised.....	4	3	1	1	4	172	43.00	3.51
Knees dislocated.....	1	1		4	5	35	35.00	.88
Legs broken.....	11	7	4	23	30	470	67.14	9.65
Legs injured.....	7	3	4		3	279	39.86	6.14
Ribs fractured.....	1	1		1	2	30	30.00	.88
Shoulders broken.....	1	1			1	30	30.00	.88
Thumbs cut off.....	1		1			32	32.00	.88
Toes broken.....	1		1			32	32.00	.88
Totals.....	114	67	47	151	217	4,519	46.59	100.00

Bord County—Eighth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Pocahontas Mining Co.....	Pocahontas.....		24,000	31,161	55,161
2	Illinois Collieries Co., 6.....	Sorento.....	1,072	25,419	19,738	46,229
3	Mississippi Colliery Co.....	Smithsboro.....	2,128			2,128
Totals.....			3,200	49,419	50,899	103,518

Mines reported for 1907, 2.

New mines, 1.

Mines in 1908, 3.

Bond County—Eighth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.				ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wha, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.	Tons mined by hand.	Killed.	Injured.				
49,129	48,835	6,326	156	52	26	78	41,371	.....	1	1,576	Both....	Pneu....	1
39,917	41,626	4,603	86	100	60	160	46,229	.....	1	2,145	B. S.	do....	2
2,500	763	1,365	69	9	3	12	2,128	.....	.....	106	do....	do....	3
91,546	91,224	12,294	156	161	89	250	89,728	.....	2	3,827			

Madison County—Eighth District—1908.

Number.	OUTPUT OF MINES IN TONS.				
	NAME OF OPERATOR.	Postoffice address of the mines.	Mine run.	Lump.	Other grades.
SHIPPING MINES.					
1	New Staunton Coal Co.	Livingston	102,951	219,961	207,247
2	Donk Bros. Coal & Coke Co., No. 1.	Donkville	27,866	174,770	237,977
3	Mt. Olive & Staunton Coal Co., No. 2.	Williamson	83,854	217,786	115,888
4	Donk Bros. Coal & Coke Co., No. 2.	Maryville	38,761	191,840	121,394
5	Mt. Olive & Staunton Coal Co., No. 1.	Staunton	16,361	200,997	107,896
6	Lumaghi Coal Co., No. 2.	Collinsville		129,400	123,881
7	Donk Bros Coal & Coke Co., No. 3.	Troy	11,564	128,628	101,082
8	Madison Coal Corporation, No. 4.	Glen Carbon	510	147,105	77,877
9	Madison Coal Corporation, No. 2.	do.		131,996	77,392
10	De Camp Coal Mining Co.	Staunton	14,129	93,532	57,097
11	Kerns-Donnewald Coal Co.	Worden	32,675	56,895	42,418
12	Lumaghi Coal Co., No. 3.	Collinsville	2,391	47,256	55,284
13	Interstate Coal & Mining Co.,	Staunton	8,102	25,547	16,640
14	Henrietta Coal Co.	Edwardsville	17,721	18,847	12,549
15	Brookside Coal Co.	Troy	2,603	16,084	11,581
16	Edwardsville Coal Co.	Edwardsville		20,688	
	Totals		359,488	1,821,392	1,366,203
LOCAL MINES.					
1	Home Trade Coal Co.	Edwardsville	11,839		
2	Abbey Coal Co.	Collinsville	9,348		
3	Bullock Bros. Coal Co.	do.	5,189		
4	Perry Meyers	Bethalto	2,020		
5	Geo. Kable	Moro	1,622		
6	Theo. Schuller	Prairie Town	1,215		
7	W. T. Backs	Carpenter	1,040		
8	Herbert Farrell	North Alton	865		
9	Benj. Eceles	do.	812		
10	John Spencer	Bethalto	750		
11	Peter Sydell	North Alton	684		
12	Jas. Hill	Fosterburg	581		
13	E. H. Rink	do.	484		
14	Sam McDonald	Moro	314		
15	Fred Fredricks	Upper Alton	140		
16	Illinois Hydraulic Press Brick	Collinsville	120		
	Totals		37,023		
	Totals—32 mines		396,511	1,821,392	1,366,203

Mines reported for 1907, 34.

New mines, 1.

Abandoned mines, 3.

Mines in 1908, 32.

Madison County—Eighth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		EMPLOYEES.				ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.	Days of active operation.	Average number of miners.	All other employes.	Total.	Tons mined by hand.	Killed.	Injured.			
\$477,625	522,038	8,121	208	343	131	474	.....	1	16	4,916	U. C.	Pneu. 1
348,084	428,811	11,802	244	250	108	358	440,071	.....	8	18,153	Both	Elec. 2
371,599	409,065	8,463	172	236	151	387	.....	1	4	2,413	U. C.	Pneu. 3
295,675	341,812	10,183	189	240	184	424	.....	.....	4	4,801	do.	do. 4
296,794	311,138	14,116	200	179	118	297	.....	.....	1	1,695	do.	W. 5
202,672	250,124	3,217	152	220	140	360	.....	2	7	2,220	do.	do. 6
249,718	232,546	8,728	192	240	121	361	241,274	1	4	7,668	S.	Pneu. 7
225,492	217,073	8,419	181	185	89	274	92,100	.....	5	4,000	Both	do. 8
209,388	195,987	13,401	178	150	90	240	30,189	.....	2	2,107	do.	do. 9
148,281	158,152	6,606	217	140	50	190	.....	3	3	1,345	U. C.	do. 10
128,028	123,608	8,380	202	122	53	175	.....	.....	2	1,226	do.	do. 11
83,944	101,560	3,371	144	82	57	139	.....	1	.....	1,060	do.	W. 12
46,000	47,201	3,088	223	63	42	105	.....	.....	.....	621	do.	Pneu. 13
39,297	32,340	16,777	210	40	28	68	21,171	1	1	1,019	Both	do. 14
30,268	21,669	8,599	181	30	22	52	30,268	.....	1	1,015	S.	W. 15
20,000	4,000	16,688	200	12	8	20	20,688	.....	1	827	do.	Pneu. 16
<u>\$3,172,870</u>	<u>3,397,124</u>	<u>149,959</u>	<u>193</u>	<u>2,532</u>	<u>1,392</u>	<u>3,924</u>	<u>875,761</u>	<u>10</u>	<u>57</u>	<u>55,086</u>		
\$14,125	.....	11,839	254	17	3	20	11,839	.....	1	500	Solid	..... 1
12,359	.....	9,348	270	12	4	16	9,348	.....	.....	310	do.	..... 2
9,072	.....	5,189	248	8	3	11	5,189	.....	.....	141	do.	..... 3
3,030	.....	2,020	280	6	1	7	2,020	1	.....	25	do.	..... 4
2,433	.....	1,622	155	5	1	6	1,622	.....	.....	20	do.	..... 5
2,595	.....	1,215	205	3	1	4	1,215	.....	.....	28	do.	..... 6
1,820	.....	1,040	168	3	1	4	1,040	.....	.....	24	do.	..... 7
1,730	.....	865	78	4	1	5	865	.....	.....	.....	U. C.	..... 8
1,624	.....	812	150	5	1	4	812	.....	.....	.....	do.	..... 9
1,312	.....	750	175	5	1	6	750	.....	.....	8	Solid	..... 10
1,197	.....	684	190	3	1	4	684	.....	.....	.....	U. C.	..... 11
871	.....	581	150	4	1	5	581	.....	.....	5	Solid	..... 12
726	.....	484	55	4	1	5	484	.....	.....	4	do.	..... 13
471	.....	314	69	3	1	4	314	.....	.....	4	do.	..... 14
280	.....	140	80	2	1	3	140	.....	.....	.....	U. C.	..... 15
120	.....	120	1	4	2	6	120	.....	.....	4	Solid	Pneu. 16
<u>\$53,766</u>	<u>.....</u>	<u>37,023</u>	<u>158</u>	<u>86</u>	<u>24</u>	<u>110</u>	<u>37,023</u>	<u>1</u>	<u>1</u>	<u>1,073</u>		
<u>\$3,226,636</u>	<u>3,397,124</u>	<u>186,982</u>	<u>.....</u>	<u>2,618</u>	<u>1,416</u>	<u>4,034</u>	<u>912,784</u>	<u>11</u>	<u>58</u>	<u>56,159</u>		

St. Clair County—Eighth District—1908.

		OUTPUT OF MINES IN TONS.				
Number.	NAME OF OPERATOR.	Postoffice. address of the mines.	Mine run.	Lump.	Other grades.	Total
SHIPPING MINES.						
1	Consolidated Coal Co., No. 17.....	Collinsville.....	131,855	178,257	130,554	440,666
2	St. Louis & O'Fallon Coal Co., No. 2.....	Belleville.....	120,565	182,310	75,534	378,409
3	St. Louis & O'Fallon Coal Co., No. 1.....	do.....	169,549	75,425	33,843	278,817
4	Prairie Coal Co.....	do.....	702	167,660	94,310	261,970
5	Southern Coal & Mining Co., No. 8.....	do.....	51,012	116,008	66,716	233,736
6	Superior Coal & Mining Co.....	do.....	702	110,595	42,500	153,797
7	Joseph Taylor Coal Co., Taylor.....	O'Fallon.....	6,000	83,000	46,300	135,300
8	Joseph Taylor Coal Co., St. Ellans.....	do.....	6,000	75,000	50,500	131,500
9	Southern Coal & Mining Co., No. 7.....	Belleville.....	68,365	34,247	21,798	124,410
10	Joseph Taylor Coal Co., Ridge Prairie.....	O'Fallon.....	6,000	76,600	42,100	118,700
11	Fullerton Coal Co.....	Belleville.....	43,210	36,950	15,836	95,996
12	Breese-Trenton Coal Co.....	Trenton.....	49,255	39,744	88,999	88,999
13	Consolidated Coal Co., Green Mount.....	Collinsville.....	83,857	4,138	971	88,966
14	Suburban Coal & Mining Co.....	Belleville.....	14,747	58,873	15,149	88,769
15	Borders Coal Co., No. 1.....	Marissa.....	1,500	56,600	20,973	79,073
16	Royal Coal & Mining Co.....	Belleville.....	14,491	41,990	17,846	74,327
17	Kolb Coal Co., Mascoutah.....	Mascoutah.....	25,600	26,880	13,440	65,920
18	International Coal & Mining Co., Carbon.....	O'Fallon.....	6,192	38,904	20,810	65,906
19	Summitt Coal & Mining Co.....	Belleville.....	872	46,384	15,630	62,886
20	Mulberry Hill Coal Co.....	Freeburg.....	8,000	38,050	16,300	62,350
21	Borders Coal Co., No. 2.....	Marissa.....	3,000	40,994	15,500	59,494
22	Avery Coal & Mining Co.....	Freeburg.....	4,343	38,856	16,124	59,353
23	Kolb Coal Co., Vinegar Hill.....	Mascoutah.....	39,510	19,760	59,270	59,270
24	Belleville & O'Fallon Coal Co.....	Belleville.....	2,865	35,834	18,589	57,288
25	Bessemer Washed Coal Co., White Oak.....	Marissa.....	42,527	12,377	54,904	54,904
26	Southern Coal & Mining Co., No. 1.....	Belleville.....	19,405	22,989	9,508	51,902
27	Southern Coal & Mining Co., No. 3.....	do.....	3,717	32,388	13,326	49,431
28	Missouri & Illinois Coal Co., Wilderman.....	Wilderman.....	362	36,252	11,843	48,457
29	Vulcan Coal & Mining Co., No. 2.....	Belleville.....	30,290	17,387	47,677	47,677
30	Culey Miller Coal Co., Ruby.....	Caseyville.....	20,600	16,522	7,776	44,898
31	Jones Bros. Coal Co., Eureka.....	Marissa.....	4,721	30,049	9,359	44,129
32	Kolb Coal Co., Fairbanks.....	Mascoutah.....	32,402	10,801	43,203	43,203
33	Vulcan Coal & Mining Co., No. 1.....	Belleville.....	17,304	25,268	42,572	42,572
34	Marissa Coal & Mining Co.....	Marissa.....	42,510	42,510	42,510	42,510
35	Beatty Coal Co.....	Mascoutah.....	3,450	23,760	12,390	39,600
36	Johnson Coal Co., O. K.....	Marissa.....	28,683	9,561	38,244	38,244
37	Bessemer Washed Coal Co., Tirrie.....	Lenzburg.....	5,160	26,485	5,667	37,312
38	Johnson Coal Co., Sunlight.....	Freeburg.....	25,332	417	9,837	35,586
39	Missouri & Illinois Coal Co., St. Clair.....	do.....	1,978	26,316	6,749	35,043
40	Southern Coal & Mining Co., No. 5.....	Belleville.....	28,045	3,152	1,933	33,130
41	Glendale Coal & Mining Co.....	do.....	20,870	10,593	31,463	31,463
42	White & Nesbit Coal Co.....	do.....	19,200	9,110	3,226	31,536
43	Southern Coal & Mining Co., No. 4.....	do.....	4,578	16,463	7,342	28,883
44	Pittsburg Coal & Mining Co.....	do.....	1,300	24,645	2,000	27,945
45	Highland Coal Co.....	do.....	19,864	5,203	25,067	25,067
46	Kolb Coal Co., Valley Mine.....	Mascoutah.....	15,512	7,756	23,268	23,268
47	Dewey Coal Co.....	Belleville.....	16,220	6,502	22,722	22,722
48	T. M. Meeks Coal Co.....	Marissa.....	11,108	7,514	2,397	21,019
49	International Coal & Mining Co., Bennett.....	O'Fallon.....	11,989	8,963	20,952	20,952
50	Missouri & Illinois Coal Co.....	Rentchler.....	3,411	12,761	4,424	20,596
51	Central Indiana Coal Mining Co.....	do.....	16,650	3,928	20,578	20,578
52	Herman Phuhl.....	Richland.....	10,265	6,048	1,512	17,825
53	L. Senior.....	Belleville.....	6,900	3,800	1,483	12,183
54	Harmony Coal Co.....	do.....	2,338	6,019	3,796	12,153
55	Bessemer Washed Coal Co., Advance.....	Marissa.....	1,500	3,367	2,093	6,960
56	Murphy Coal Co.....	Belleville.....	3,062	.....	.....	3,062
Totals.....			955,807	2,196,068	1,128,337	4,280,212

St. Clair County—Eighth District—Continued.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYEES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
468,942	394,577	46,089	209	273	116	389			14	3,478	U. C.	Pneu.	1
349,568	369,697	8,712	195	260	121	381	13,990	2		3,895	Both	do.	2
290,935	275,761	3,056	147	325	104	429	278,817	2	19	11,460	Solid	do.	3
222,674	267,770	1,200	220	130	30	160	261,970		1	10,412	do.	do.	4
186,988	225,294	8,442	223	134	72	206		2	1	3,017	U. C.	do.	5
123,037	148,367	5,430	178	100	31	131			1	1,415	do.	do.	6
101,475	132,000	3,300	204	85	28	113	135,300		1	4,274	Solid	do.	7
98,625	125,000	6,500	157	110	37	147	3,050			1,457	Both	do.	8
99,528	120,052	4,358	176	105	41	146	54,841			2,932	do.	do.	9
89,025	115,000	3,700	195	90	34	124	118,700			3,937	Solid	do.	10
76,796	94,996	1,000	190	56	30	86	95,996			2,486	do.	W.	11
133,498	78,873	10,126	164	80	70	150				678	U. C.	do.	12
83,819	85,673	3,293	245	37	26	73		2		719	do.	do.	13
65,000	85,969	2,890	207	74	33	97	88,769			3,000	Solid	W.	14
68,700	69,650	9,473	137	72	24	96	79,073	1		2,623	do.	do.	15
55,745	72,827	1,500	117	50	22	72	16,927			1,366	Both	Pneu.	16
55,000	33,920	32,000	133	75	26	101	65,920		1	2,200	Solid	W.	17
59,315	61,668	4,238	143	73	19	92	65,906		1	2,354	do.	do.	18
43,919	61,934	952	194	40	17	57	62,886		1	2,135	do.	do.	19
43,600	61,650	700	154	50	10	60	62,350			2,090	do.	do.	20
50,000	51,300	8,194	132	59	18	77				861	U. C.	do.	21
48,380	54,443	4,910	176	50	14	64	59,333			1,836	Solid	do.	22
44,525	56,270	3,000	187	43	10	53	59,270			2,000	do.	do.	23
51,560	55,084	2,208	185	40	9	49	57,288		1	1,900	do.	do.	24
49,413	53,449	1,355	150	60	21	81	54,904		1	1,839	do.	do.	25
41,521	50,172	1,753	125	72	48	120				475	U. C.	Pneu.	26
39,544	46,836	2,595	151	49	22	71				384	do.	do.	27
38,765	46,629	1,828	179	52	21	73	48,437	1		1,784	Solid	do.	28
40,525	44,923	2,754	163	50	20	70	47,677			1,853	do.	do.	29
34,438	43,953	1,965	210	37	13	50	44,898	1		1,122	do.	W.	30
33,095	38,445	5,684	170	34	14	48	44,129		2	1,780	do.	do.	31
34,562	40,203	3,000	203	30	7	37	43,203		1	1,263	do.	do.	32
36,186	24,503	18,069	172	40	16	56	42,572			1,244	do.	do.	33
34,000	39,617	2,893	128	49	20	69	42,510			1,254	do.	do.	34
35,000	37,620	1,980	189	35	6	41			1	381	U. C.	Elec.	35
30,595	37,000	1,244	185	45	17	62	38,244	1	1	1,138	Solid	W.	36
30,580	33,690	3,622	121	48	15	63	37,312			1,093	do.	do.	37
28,463	32,010	3,576	167	33	11	44	35,586		1	1,108	do.	do.	38
28,034	33,753	1,290	160	50	17	67	35,043			1,194	do.	Pneu.	39
21,504	28,746	4,384	175	26	13	39	33,130			1,039	do.	do.	40
28,318	25,590	5,873	126	42	17	59	1,935		2	331	Both	W.	41
28,202	21,702	9,834	203	20	6	26	31,536			1,053	Solid	do.	42
23,704	26,796	1,587	110	49	17	66				283	U. C.	Pneu.	43
22,561	17,335	10,610	169	25	9	34	27,945			798	Solid	do.	44
22,560	13,633	11,434	229	28	12	40	25,067			807	do.	W.	45
21,450	20,268	3,000	92	35	11	46	23,268			775	do.	do.	46
20,450	21,900	822	152	16	4	20				250	U. C.	do.	47
18,850	20,426	593	105	25	5	30	21,019		1	876	Solid	do.	48
23,047	14,381	6,571	141	20	16	36	20,952			651	do.	do.	49
16,476	19,557	1,039	77	60	15	75	20,596		1	705	do.	Pneu.	50
16,464	20,200	378	111	42	11	53	20,578			655	do.	W.	51
15,073	16,865	963	115	24	8	32	17,825			506	do.	do.	52
9,745	11,700	483	116	21	8	29	12,183			412	do.	do.	53
9,722	10,931	1,222	101	14	6	20	12,153			400	Solid	do.	54
5,568	3,979	2,981	64	16	4	20	6,960			243	do.	do.	55
2,500	3,062		244	2	1	3	3,062			169	do.	do.	56
3,707,534	3,990,575	289,637	167	3,560	1,373	4,933	2,373,150	10	53	100,310			

St. Clair County—Eighth District—Concluded.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	Tower Grove Coal Co.	Belleville.	24,196			24,196
2	Wm. Lattman	do.	18,210			18,210
3	Frank Sargent	do.	15,800			15,800
4	Aug. Eble	do.	14,210			14,210
5	Bretz & Schilling	do.	13,750			13,750
6	Coöperative Coal Co.	New Athens	10,659			10,659
7	Jas. Sliment & Son.	Centreville	5,962			5,962
8	Lebanon City Coal Co.	Lebanon	4,520			4,520
9	Wm. Pistor	Millstadt	4,318			4,318
10	John F. Beatty	Mascoutah	3,111			3,111
11	Jas. Taylor	Belleville	3,000			3,000
12	Hartman Bros.	Millstadt	2,880			2,880
13	Edgemont Coal Co.	French Village	2,744			2,744
14	Diamond Joe Coal Co.	Millstadt	2,724			2,724
15	Little Muddy Coal Co.	Marissa	1,880			1,880
16	Philip Dietrich	Freeburg	1,516			1,516
17	Drift Coal Co.	Caseyville	1,425			1,425
18	Arthur Johnson	Belleville	1,300			1,300
19	Thos McBride	Freeburg	850			850
20	Geo. Schmidt	Millstadt	200			200
21	Fred J. Ziska	Belleville	172			172
Totals.....			133,427			133,427
Totals—77 mines.....			1,089,234	2,196,068	1,128,337	4,413,639

Mines reported for 1907, 79.

New mines, 2.

Abandoned mines, 4

Mines in 1908, 77.

St. Clair County—Eighth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$31,454		24,196	221	12	3	15	24,196			821			1
23,673		18,210	300	12	4	16	18,210		1	604			2
15,800		15,800	294	10	1	11	15,800			592			3
14,210		14,210	270	10	2	12	14,210			475			4
13,750		13,750	232	8	1	9	13,750			448			5
13,856		10,659	230	6	1	7	10,659			359			6
7,750		5,962	290	4	1	5	5,962			200			7
9,040		4,520	200	8	3	11	4,520			157			8
6,477		4,318	239	8	2	10	4,318			146			9
4,666		3,111	246	4	1	5	3,111			107			10
4,500		3,000	180	4	1	5	3,000			100			11
3,744		2,889	175	4	1	5	2,889			96			12
3,567		2,744	250	3	1	4	2,744			92			13
4,086		2,724	197	8	2	10	2,724	1		90			14
2,820		1,880	200	3	1	4	1,880			70			15
2,274		1,516	180	2	1	3	1,516			51			16
1,950		1,425	200	4		4	1,425			45			17
1,275		1,300	190	2	1	3	1,300			40			18
390		850	160	2	1	3	850			30			19
223		200	140	2	1	3	200			6			20
200		172	70	1		1	172			5			21
\$165,708		133,427	213	117	29	146	133,427	1	1	4,534			
\$3,873,242	3,990,565	423,074	167	3,677	1,402	5,079	2,506,577	11	54	104,844			

Shipping Mines—Recapitulation by

COUNTIES	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Bond.....	5	3,200	49,419	10,672	2,240	34,739	3,248	103,518	\$0.844
Madison.....	16	359,488	1,821,392	189,525	86,162	949,541	140,975	3,547,083	0.897
St. Clair.....	56	955,807	2,196,068	60,409	188,862	714,797	164,269	4,280,212	0.889
Total.....	75	1,318,495	4,066,879	260,606	277,264	1,699,077	308,492	7,930,813	\$0.889

Local Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Madison.....	16	37,023	.....	.....	.....	.....	.....	37,023	\$1.452
St. Clair.....	21	133,427	.....	.....	.....	.....	.....	133,427	1.242
Total.....	37	170,450	.....	.....	.....	.....	.....	170,450	\$1.288
Grand total.....	112	1,488,945	4,066,879	260,606	277,264	1,699,077	308,492	8,101,263	.....

Whole number of mines reported in 1907, 115.

Number of new mines opened during the year, 4.

Number of mines abandoned during the year, 7.

Whole number of mines reported for 1908, 112.

Counties—Eighth District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYEES.						Tons mined—By hand.	Powder—Blasting coal	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.	From solid—Tons.			Undercut—Tons.	Both methods—Tons	
			Miners.	Others.	Boys.								
91,224	12,294	156	161	58	5	26	250	89,728	3,827	48,357	.....	55,101
3,397,124	149,959	193	2,532	928	100	364	3,924	875,761	55,086	292,230	2,330,243	924,609	
3,990,575	289,637	167	3,560	820	68	484	4,932	2,373,150	100,310	2,281,407	1,257,196	741,610	
7,478,923	451,890	173	6,253	1,806	173	874	9,106	3,338,639	159,223	2,621,994	3,587,439	1,721,380	

Counties—Eighth District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.						Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.	From solid—Tons.			Undercut—Tons.	Both methods—Tons.	
			Miners.	Others.	Boys.								
.....	37,023	158	86	4	....	20	110	37,023	1,073	35,334	1,689	.....
.....	133,427	213	117	.....	.....	29	146	133,427	4,534	133,427	.....	.....
.....	170,450	189	203	4	....	49	256	170,450	5,607	168,761	1,689	.....
7,478,923	622,340	....	6,456	1,810	173	923	9,362	3,509,089	164,830	2,700,755	3,589,128	1,721,380

NINTH INSPECTION DISTRICT—1908.

THIRD ANNUAL REPORT.

Counties: Clinton, Franklin, Jefferson, Marion, Perry, Randolph, Washington, White.

W. S. BURRIS, *Inspector*, DuQuoin.

Hon. David Ross, Secretary State Bureau of Labor Statistics, Springfield, Ill.:

SIR—In compliance with the law of the State of Illinois, defining the duties of the State inspectors of mines, I have the honor to herewith submit the third annual report of the coal mines in the ninth inspection district for the year ending June 30, 1908.

The tabular statements in this report show the number of mines in operation and other items pertaining to the operation of the coal mines.

The following is a summary of the items contained in this annual report:

Number of mines	67
Number new mines	5
Number abandoned mines	5
Number of shipping mines	56
Local mines	11
Tons of mine run coal	1,829,020
Tons of lump	2,017,085
Tons of egg	512,018
Tons of nut	508,935
Tons of pea or screenings	1,140,528
Tons of slack or waste	286,015
Total tons of all grades	6,293,601
Tons loaded on cars for shipment	5,605,928
Tons supplied to locomotives	255,830
Tons sold to local trade	182,649
Tons consumed or wasted at mines	249,194
Average number of days of active operation, shipping mines	189
Tons mined by hand	3,832,140
Tons mined by machines	2,461,461
Number of mines using machines	19
Number of electric machines	91
Number of air machines	128
Number of machines in use	219
Number of miners	5,445
Number of employes underground	1,527
Number of boys	130
Number above ground	826
Total number of all employes	7,928
Number of kegs of powder for blasting	179,755
Number of kegs for other purposes	159
Number of fatal accidents	33
Number of non-fatal accidents	93
Number of wives made widows	21
Number of children left fatherless	53
Number of tons of coal for each fatal accident	190,715
Ratio of fatal accidents for each 1000 employes	4.2
Number of employes to each non-fatal accident	85
Number of tons to each non-fatal accident	66,248

The following table gives the output of each coal producing county in the district for the years 1907 and 1908, with the increase and decrease of each county:

COUNTIES.	TOTAL PRODUCTS, ALL GRADES OF COAL.		Increase.	Decrease.
	1907	1908		
Clinton.....	1,061,410	1,152,670	91,260	
Franklin.....	863,165	1,678,195	815,030	
Jefferson.....	10,060	25,045	14,985	
Marion.....	1,084,783	954,925		129,858
Perry.....	1,743,922	1,610,411		133,511
Randolph.....	742,894	777,327	34,433	
Washington.....	68,768	75,548	6,780	
White.....	7,243	19,489	12,237	
Totals.....	5,582,245	6,293,601	974,725	263,369
Net increase.....			711,356	

Franklin county shows the largest tonnage increase over last year, being 94.4 per cent. However Jefferson county shows the largest proportionate increase being 149 per cent. The counties of Marion and Perry show a decrease aggregating 263,369 tons. The net increase of output for the district is 711,356 tons or 12.7 per cent.

NEW MINES.

The Dering Coal Company has completed a new shaft two miles east and one mile north of West Frankfort in Franklin county; the mine is known as No. 18 Dering mine.

The shaft is over 500 feet deep and 10 by 14 feet in the clear. The coal seam is 10 feet thick and No. 6 of the geological section. The Company has installed a pair of first motion hoisting engines of Danville make 24 by 42 inches with 8 foot steel drum using 1¼ inch rope. The smoke stack is built of tile six by one hundred and twenty-five feet high. The boilers, four in number, are 150 horse power two Sullivan air compressors are in use about 1,400 pounds each. The tippie is steel constructed, resting on concrete pillars, with a four track shaker screen. The engine, boiler, blacksmith and supply houses are all built of brick. A Stevens 4 by 10 foot fan is placed for ventilating the mine. This mine will be opened up and worked on the panel system; the mine cars hold three tons; the mine track is a 42 inch gauge. This is one of the finest mines in Franklin county.

The mine of the Hart-Williams Coal Company is located 1¼ miles south-east of Benton; the shaft is 619 feet deep, 10 by 14 feet in the clear. The coal is a nine foot seam and No. 6 of the geological section. The Company has installed a pair of Aetna engines 24 by 46 inches, with an 8 foot drum using a 1¼ inch rope. The mine cars are of three tons capacity. The mine track is 42 inch gauge; a 150 K. W. generator, belt drive, hooked to a 16 by 24 inch McEwing engine; there are two 150 H. P. boilers. The coal is handled with the Bond self dumping cages. The tippie is constructed of steel with three tracks; a Capell ventilating fan 10 by 4 feet has been placed. This mine will be opened up on the pillar and room system for the present.

The White Ash Coal Company has completed sinking a mine, four miles south of DuQuoin, Perry county. The Company began sinking October 24, 1907, and completed the work November 21, 1907. This shaft is 85 feet to a coal seam 7 feet 4 inches thick. The seam is No. 6 of the geological section. The shaft is 9 by 4 feet in the clear, and timbered with 4 by 12 inch white oak timbers.

After the sinking of the shaft had been completed it was closed down, and has remained closed down up to the present time.

The Marion County Coal Company has sunk a shaft, three miles north of Centralia, the dimensions of this shaft are 10 by 14 feet, 600 feet deep; the thickness of the seam is 7 feet and is No. 6 of the geological section.

A pair of Danville engines 24 by 36 inches have been installed with an 8 foot drum and a $1\frac{1}{4}$ inch rope. The engine room is 36 by 40 feet built of brick. The boiler room is 36 by 50 feet built of corrugated iron. There are two 150 horse power boilers. The tippie is built of wood with shaker screens; the mine cars are two ton capacity. The air shaft is down 230 feet at present time.

REOPENED MINES.

Adams Brothers, have reopened a small local mine at Willisville, Randolph county.

IMPROVEMENTS.

The Zeigler District Colliery Company has installed a new 150 K. W. dynamo; two 8 ton electric motors and one chain machine; also a 12 by 4 foot Stevens fan. The Company has built an elevator with a capacity of about 800 tons, placing it in a revolving screen, 6 by 16 feet.

The United Coal Company, Christopher, Franklin County, has put in two dynamos, one 100 K. W. and one 150 K. W. and have also installed two motors one 8 ton and one 10 ton; ten chain machines have been put in operation, 7 Morgan Gardner; 2 Goodman and 1 Jeffery which are now under cutting all of the coal; two 150 H. P. boilers have been also installed.

The Dering Coal Company has installed two motors at their No. 11 mine, West Frankfort.

The Franklin County Collieries Company, Sesser, has put in one Ingersoll Rand Compressor and 20 air punchers, also a small dynamo to furnish lights in the mine and buildings on top.

The Paradise Coal and Coke Company, DuQuoin, Perry county, has installed one K. W. dynamo, two 10 ton motors, two new 150 H. P. boilers, also one hundred new two ton mine cars.

The Majestic Coal and Coke Company, DuQuoin, Perry county, has installed three $4\frac{1}{2}$ ton gasoline motors, also a small dynamo to furnish lights both in the mine and in the buildings on the surface.

The Willis Coal and Mining Company, Percy, Randolph County, has installed one 300 H. P. boiler.

PROSPECTIVE MINES.

At the present time a new mine is being sunk by Horn and Diamond at Smothersville, Franklin county, which will be about 650 feet deep.

A new mine is being sunk near Pinckneyville, Perry county.

The Centralia Coal Company is sinking a new mine south of Centralia, which will be one of the largest mines in Marion county.

ABANDONED MINES.

The Salem Coal Company has abandoned its mine at Salem, the Kinmudy Coal Company, Kinmudy, has also abandoned its mine; both of these mines are in Marion county.

CHANGES OF NAMES.

The Bessemer Washed Coal Company was organized September 1, 1907, and took charge of the following mining properties in this district:

The Tilden Coal Company and the Crystal Coal Company at Tilden, Randolph county and the White Walnut Coal Company at Pinckneyville, Perry county.

The Coulterville Coal Company, Randolph county, has changed hands and is now known as the West Mine Coal Company.

The Perry County Coal Company's mine at DuQuoin, has changed its name and is now known as the Anchor Coal Company.

The Imperial Coal Company of Mt. Vernon, Jefferson county has changed hands and is now known as the Mt. Vernon Coal Company.

FATAL ACCIDENTS.

The detailed particulars of the thirty-three fatal accidents, which have occurred in the district during the year follow:

July 8, 1907, Geo. Langworth, machine runner, aged 42 years, married, employed at the Moffat mine, Sparta, was killed by falling clod while running a machine. He leaves a widow and two children.

August 2, 1907, Joseph Mayberry, miner, aged 22 years, single, was killed in the Centralia Coal Company's mine No. 4. Deceased was driving a mule and going on an up grade; the tail chain it is supposed became unhooked. Mayberry being behind the car trying to hold it from running back to the face the car running over him.

September 3, 1907, Charles Moore, sinker, aged 24 years, single, employed at mine No. 18 of the Dering Coal Company, West Frankfort, Franklin county, was killed by falling 500 feet out of a hosting tub. The accident was caused by the rope slipping off of the drum.

September 7, 1907, four men were killed this date. There was a gas explosion in the Dering Coal Company's No. 11 mine, West Frankfort. The night shift was putting in a stopping to close off a body of gas and was working under the directions of a certified mine manager; the stopping was nearly completed, causing the gas to back up against the decreasing current of air; the gas was ignited by the lamp of one of the party, burning 22 men of whom the following four men died from the effect of the burns, all being Italians: Joe Caruso, miner, aged 21, single; Peter Gigole, miner, aged 18, single; Joe Perconi, miner, aged 36 years, married. He leaves a widow and four children; B. Trimcoeli, miner, aged 22 years, single. Eighteen others were burned more or less severely; all of whom except five left West Frankfort; I was therefore unable to secure their names and the time lost resulting from the burns endured.

September 10, 1907, Elmer Shinn, miner, aged 19 years, single, employed in the mine of the Odin Coal Company, Odin, was killed by falling top coal dying six hours after the accident.

September 14, 1907, Edward Pool, miner, aged 55 years, married employed in the mine of the Odin Coal Company, Odin, was killed by a shot exploding before he could get to a place of safety. He leaves a widow and four children.

September 20, 1907, William McFadden, driver, aged 28 years, employed at the Beckemeyer mine; owned by the Breeze Trenton Mining Company, was killed instantly. Deceased had pulled up two cars of his trip, and went back after another; when he came back with the last car, he ran into the first two he had left on the hill and was crushed to death between two cars. He leaves a widow.

October 2, 1907, Haze Burnett, driver, aged 30 years, married, employed at the Brilliant Coal Company's mine, DuQuoin. Deceased was coming out of an entry with a trip one of the cars jumped the track on the curve; he was

riding on the seat, and in getting off made a misstep, the car caught his foot cutting it at the base of the little toe crushing the same. He died from blood poison October 2, 1907, and leaves a widow and two children.

October 22, 1907, Joseph Claybrook, miner, aged 63 years, married, employed at the Majestic Coal and Coke Company's mine, DuQuoin. Deceased was preparing a shot for the shot firers, and in some way caused an explosion, burning his face and bruising him with flying coal. He died about a week after the accident. He leaves a widow and three children.

November 11, 1907, William Lang, driver, aged 37 years, single, employed at the United Coal Company's mine, Christopher, while coming with a trip down a hill, whistling for another driver, he was seen to fall off of the tail chain in front of the loaded car and was rolled under it and dragged to the foot of the hill before the car was stopped. His leg was fastened to the mule tail chain which was hooked to the car.

November 15, 1907, John Keim, topman, aged 29 years, married, employed at the Jupiter Coal Mining Company's No. 1 mine, DuQuoin, entered a screened coal bin under a revolving screen, for the purpose of shoveling back some coal which had filled up until it was obstructing the working of the screen; in passing between the screen and the housing wall, he stumbled and fell or got in some position whereby his body was drawn in, crushing out his life. He leaves a widow and one child.

November 26, 1907, James H. Knos, miner, aged 38 years, married, employed in the Coulterville Mining Company's mine, Coulterville, was filling a quart cup with powder from a full keg; a spark fell from his lamp into the cup igniting the powder causing the keg to explode. He died two days later from the injuries, leaving a widow and two children.

November 27, 1907, Adam Mitchell, topman, aged 50 years, married, employed at the Breese-Trenton Mining Company's Buxton mine, Beckemeyer, was pinching cars down the south track and while doing so a string of loaded cars run on to him; instead of jumping to the side he jumped between the couplings and was crushed. He leaves a widow and one child.

December 7, 1907, Nicholas Ebinger, miner, aged 42 years, married, employed at the mine of the Paradise Coal and Coke Company, DuQuoin, was killed by falling top coal at the face of his room. He leaves a widow and six children.

December 7, 1907, Eli C. Stone, miner, aged 52 years, married, employed at the Paradise Coal and Coke Company's mine, DuQuoin, was killed by falling coal. Ebinger and Stone were taking down top coal and had knocked all the props down with the exception of one; while knocking out this last prop the coal gave way. A piece of coal about 24 feet square and three feet thick fell and buried both men underneath. They were taken out two and a half hours after the accident by a searching party. Stone leaves a widow and two grown daughters.

December 8, 1907, Edward Joiner, miner, aged 34 years, married, employed at the mine of the Franklin County Collieries Company, Sesser, was fatally injured. The miners were double shifting entry work and had four shots prepared, three in the face and one on the right hand rib, to shoot skip off. The four shots had been lighted, three with fuse and one with squib. Deceased and others had gone to the mouth of the entry and thinking that all the shots had been heard to explode returned to see what the shots had accomplished. When Joiner got opposite a skip shot, it exploded blowing him against the rib, breaking his leg and bruising him so badly that he died four days later. He leaves a widow and one child.

December 21, 1907, Leslie Knight, miner, aged 24 years, single, employed in the mine of the DuQuoin Operating Company, at Clinch. Deceased went into an adjoining room when some slate fell, fatally injuring him. He died from the injuries received, February 17, 1908.

January 6, 1908, Edward Stanhouse, miner and shot firer, aged 38 years, married, employed in mine No. 1 of the Jupiter Coal and Mining Company, DuQuoin. Deceased was firing shots with his brother, while in No. 12 south entry, after firing one of the shots, placed in the face of the entry, deceased

returned to the face, and was in the act of lighting a second shot, when there was a fall of slate which caught him, from which he sustained injuries resulting in his death the morning of January 8. He leaves a widow and seven children.

February 7, 1908, George Karkacinas, loader, aged 29 years, married, employed in the mine of the Zeigler Coal Company, Zeigler. Deceased while working off a piece of loose coal, it gave way and crushed him underneath. He leaves a widow and one child.

February 18, 1908, Hy. Roth, injured in the Centralia Coal Company's mine on December 18, 1907, and died two months later. He was working at the face of his room and a piece of loose rock fell on him.

February 26, 1908, John Charitino, miner, aged 22 years, single, employed in the mine of the Zeigler District Colliery Company, Christopher. Deceased with nine other men were being hoisted to the ground landing; when at a distance of about 90 feet from the bottom, Charitino apparently fell to the bottom of the cage; in some way his body caught on a bunting and he was pulled between the cage and side; the cage continued ascending when he fell to the bottom and was killed.

March 3, 1908, Anton Wehrle, miner, aged 50 years, married, employed at the mine of the Brilliant Coal and Coke Company, DuQuoin. Deceased was working at the face, under a loose piece of slate which he should have pulled down. However, while working off his shot, a piece of the slate 4 by 5 feet, two inches thick on one edge and four inches on the other, fell crushing him between the slate and the loose coal on which he was standing. He leaves a widow and two children.

March 10, 1908, Walter Schlebo, miner, aged 28 years, single, employed in the mine of the Tilden Coal Company, Tilden. Deceased was taking tamping out of a shot and thought he had it all out. His partner ran a churn drill into the hole when the shot exploded. The men were removing the tamping for the reason that the shot had failed to explode, when the squib was placed by the shot firers it was found that the hole had not been properly tamped. Schlebo was blown on top of a pit car, standing near, and fatally injured in the chest and abdomen.

March 11, 1908, Henry A. Taylor, miner and shot firer, aged 36 years, married, employed in the mine of the Centralia Coal Company, Centralia. Deceased was killed by a shot exploding while lighting it. The shot was located in the cross cut of a room. It is presumed that the squib was defective, or that he lit the squib too close to the powder. He leaves a widow and a step daughter.

March 11, 1908, Henry Kinse, Jr., driver, aged 20 years, single, employed in the mine of the Breese-Trenton Mining Company, Breese. He was pulling a loaded trip down a hill when suddenly the mule kicked him off of the seat causing him to fall under the cars; which passed over his body. He died four days after the accident.

March 28, 1908, Charles Condon, miner, aged 38 years, married, employed at the mine of the Willis Coal and Mining Company, Percy. Deceased was loading coal in a cross cut, when a piece of white top slate broke loose falling and crushing him. The slate was next to the last cross bar. The fall was caused by a slip running on the rib, which did not show until after the fall had occurred. He leaves a widow and six children.

April 29, 1908, Charles Chafinski, miner, aged 29 years, married, employed in the mine of the Zeigler Coal Company, Zeigler. He was drilling a hole in the face of a pillar; under overhanging loose coal on the rib. The loose coal gave way, falling on him and crushing his skull, causing instant death. He leaves a widow.

June 3, 1908, Eli Browning, shot firer, aged 42 years, married, employed at the mine of the Big Muddy and Carterville Mining Company, Pierce. Deceased had lighted a squib and thought the shot had exploded, when he returned to the hole to needle it, just as the shot exploded, the flying coal striking him in the head causing his death. He leaves a widow and five children.

June 6, 1908, Gus Strokus, miner, aged 26 years, single, employed at the mine of the Zeigler Coal Company, Zeigler, was standing under a part of the roof that had peeled off, looking at the roof and it was supposed he was about to prepare props to be placed in position, when the roof fell, burying him underneath and causing his death.

June 26, 1908, Clinton Boyer, car trimmer, aged 21 years, married, employed in the mine of the Franklin County Collieries Company, Sesser. Deceased was riding on a flat car and fell off on to the rails. The car passed over him cutting him in two. He leaves a widow.

The tables of the fatal and non-fatal accidents follow, also the statistical tables of the several counties.

Respectfully submitted,

W. S. BURRIS,
State Inspector 9th District, DuQuoin.

Fatal Casualties—Ninth District—1908.

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	Widows.	Children.	Single.	Persons dependent.	Cause of Accident.
1907										
July 8	Geo. Langworth.....	42	Mac. runner.....	Sparta.....	1	1	2	..	3	Falling clod.....
Aug. 2	Jos. Mayberry.....	22	Miner.....	Centralia.....	..	..	1	..	1	Pit car.....
Sept. 3	Charles Moore.....	24	Sinker.....	W. Frankfort...	..	..	1	..	1	Fell out of tub down shaft.....
	7 Joe Caruso.....	21	Miner.....	do.....	..	..	1	..	1	Gas explosion.....
	7 Peter Gigole.....	18	do.....	do.....	..	..	1	..	1	do.....
	7 Joe Perconi.....	36	do.....	do.....	1	1	4	..	5	do.....
	7 B. Trimcoeli.....	22	do.....	do.....	..	..	1	..	1	do.....
	10 Elmer Shinn.....	19	do.....	Odin.....	..	..	1	..	1	Falling coal.....
	14 Edward Pool.....	55	do.....	do.....	1	1	4	..	5	Shot explosion.....
	20 Wm. McFadden.....	28	Driver.....	Beckemeyer.....	1	1	..	..	1	Pit car.....
Oct. 2	Haze Burnett.....	30	do.....	Duquoin.....	1	1	2	..	3	Pit car.....
	22 Joseph Claybrook...	63	Miner.....	do.....	1	1	3	..	4	Premature shot.....
Nov. 11	Wm. Lang.....	37	Driver.....	Christopher.....	..	..	1	..	1	Pit car.....
	15 John Keim.....	29	Laborer.....	Duquoin.....	1	1	1	..	2	Revolving screen.....
	26 Jas. H. Knox.....	38	Miner.....	Coulterville.....	1	1	2	..	3	Powder explosion.....
	27 Adam Mitchell.....	50	Laborer.....	Beckemeyer.....	1	1	1	..	2	Railroad car.....
Dec. 7	Nicholas Ebinger.....	42	Miner.....	Duquoin.....	1	1	6	..	7	Falling coal.....
	7 Eli C. Stone.....	52	do.....	do.....	1	1	2	..	1	Falling coal.....
	8 Edward Joiner.....	34	do.....	Sesser.....	1	1	1	..	2	Shot explosion.....
	21 Leslie Knight.....	24	do.....	Duquoin.....	..	..	1	..	1	Falling slate.....
1908										
Jan. 6	Edward Stanhouse.....	38	Shot firer.....	Duquoin.....	1	1	7	..	8	Falling slate.....
Feb. 7	George Karkacinas...	29	Loader.....	Zeigler.....	1	1	1	..	2	Falling coal.....
	18 Hy Roth.....	35	Miner.....	Centralia.....	1	1	3	..	4	Falling slate.....
	26 John Charitino.....	22	Miner.....	Christopher.....	..	..	1	..	1	Fell from cage down shaft.....
Mar. 3	Anton Wehrle.....	50	do.....	Duquoin.....	1	1	2	..	3	Falling coal.....
	10 Walter Schlebo.....	28	do.....	Tilden.....	..	..	1	..	1	Drilling out shot.....
	11 Henry A. Taylor.....	36	Shot firer.....	Centralia.....	1	1	1	..	2	Shot explosion.....
	11 Henry Kuise.....	20	Driver.....	Breese.....	..	..	1	..	1	Pit car.....
	28 Charles Condon.....	38	Miner.....	Percy.....	1	1	6	..	7	Falling slate.....
Apr. 29	Charles Chafflinski.....	29	do.....	Zeigler.....	1	1	..	..	1	Falling coal.....
June 3	Eli Browning.....	42	Shot firer.....	Pierce.....	1	1	5	..	6	Shot explosion.....
	6 Gus Strokus.....	26	Miner.....	Zeigler.....	..	..	1	..	1	Falling coal.....
	26 Clinton Boyer.....	21	Trimmer.....	Sesser.....	1	1	..	..	1	Railroad car.....
	Total—33.....				21	21	53	12	72	

Recapitulation of Fatal Casualties—Ninth District—1908.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Beckemeyer.....	2	Car trimmer....	1	Drilling out shot.....	1	B. M. & Car M. Co.....	1
Breese.....	1	Drivers.....	4	Falling clod.....	1	Breese-Trenton Coal Co....	3
		Laborers.....	2		1		
Centralia.....	2	Loader.....	1	Falling coal.....	7	Brilliant Coal Co.....	2
		Mach. runner....	1				
Christopher.....	2	Miners.....	20	Falling slate.....	4	Centralia Coal Co.....	3
Coulterville.....	3	Shot firers.....	3	Fell from cage down shaft.....	1	Coulterville Mining Co.....	1
Duquoin.....	8	Sinker.....	1	Fell out of tub down shaft.....	1	Dering Coal Co.....	5
				Gas explosion.....	4	Duquoin Coal Co.....	1
Odin.....	2			Pit cars.....	5	Franklin County Coal Co....	2
Percy.....	1			Powder explosion....	1	Jupiter Coal Co.....	2
Pierce.....	1			Premature shot.....	1	Majestic Coal Co.....	1
Sesser.....	2			Railroad cars.....	2	Modat Coal Co.....	1
Sparta.....	1			Rrvolving esreen....	1	Odin Coal Co.....	2
Tilden.....	1			Shot explosion.....	4	Paradise Coal Co.....	2
W. Frankfort....	5					Tilden Coal Co.....	1
Zeigler.....	3					United Coal Co.....	1
						Willis Coal Mining Co.....	1
						Zeigler Coal Co.....	3
						Zeigler Distriet Coal Co....	1
Totals.....	33		33		33		33

Non-Fatal Casualties—Ninth District—July 1, 1905.

Date.	Name.	Age.	Residence. (Town.)	Married. Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1907								
July 9	Paul Sandridge	25	Zeigler	1	1		Arms fractured, falling coal	120
10	Oliver Walker	27	Benton	1	3	4	Skull fractured, falling coal	65
13	Andrew Gregons	18	Zeigler	1	1		Fingers cut off, motor	90
13	Peter Cruchetto		Royalton				Leg broken, falling slate	218
17	August Jansen	30	Breese	1	5	6	Leg broken, flying coal	90
18	Harry Love	30	Odin	1	1	2	Foot mashed, pit car	60
22	Perry Martin	17	W. Frankfort	1	1		Body burned, gas explosion	47
24	Henry Knox	37	Centralia	1	1		Hips bruised, mule ran away	60
Aug. 15	John Hulokamp	25	Trenton	1	1		Shoulder blade broken, pit car	71
17	Terry Taylor		W. Frankfort	1	1	1	Body burned, gas explosion	76
17	Terry Richards	40	do.	1	1		do.	30
22	Geo. Karton	37	Centralia	1	1		Back injured, falling slate	31
23	C. Mauika	18	Beckemeyer	1	1		Leg broken, pit car	120
Sept. 3	Elmer Thompson	40	W. Frankfort	1	1		Leg injured, rope slipped off drum	54
7	Salvatore Trombette	25	do.	1	1		Arms, face and body burned, gas explosion	40
7	Nick Caruso	25	do.	1	1		do.	40
7	Reek Caruso	21	do.	1	2	3	do.	40
7	Rock Vercallo	43	do.	1	2	3	do.	50
7	Roligo Quindotte	42	do.	1	1		do.	40
7	Leo Polulice	25	do.	1	1		do.	35
7	Steve Mariette	21	do.	1	2	3	do.	42
7	Rock Vercallo	43	do.	1	2	3	do.	52
7	Roligo Quindotte	42	do.	1	1		do.	40
7	Leo Polulice	24	do.	1	1		do.	30
7	Steve Mariette	26	do.	1	1		do.	40
7	Chas. O'Toole	45	do.	1	1		do.	40
7	Reek Caruso	40	do.	1	1		do.	40
7	Louis Marconi	20	do.	1	1		do.	41
7	Willis Johnson	40	Duquoin	1	4	5	Leg injured, falling slate	144
7	Jesse Galbraith	20	do.	1	1	2	Back injured, falling coal	70
7	Joe Rosa	42	W. Frankfort	1	4	5	Body burned, gas explosion	31
7	Joe Kelley	40	do.	1	5	6	do.	45
7	Joe Marr		do.	1	2	3	do.	30
7	George Virishi	42	do.	1	1	2	do.	90
7	Henry Keupper	50	do.	1	5	6	do.	78
11	A. O. Martin	23	Zeigler	1	1		Foot bruised, locomotive	120
12	John Arledge	26	Christopher	1	1		Face cut, kicked, by mule	30
14	Everet Summers	20	Benton	1	1		Leg broken, kicked by mule	54
14	John Hoh	29	Trenton	1	1		Toe mashed, falling casting	120
16	John Kuckza	30	Beckemeyer	1	2	3	Wrist broken, pit car	60
25	John Waller	18	Duquoin	1	1		Hand bruised, pit car	60
25	Elmer Thompson		W. Frankfort	1	1		Body burned, gas explosion	42
26	Celesti Oderize		New Baden	1	1		Leg broken, falling slate	40
Oct 8	Henry Herman	35	Benton	1	1	1	Foot broken, falling coal	180
11	Oscar Armes	46	Centralia	1	1	1	Back injured, falling coal	60
14	Joe Schromek, Jr.	16	Duquoin	1	1		Leg bruised, pit car	42
25	Herman Mein koth		New Baden	1	1		Back injured, falling slate	48
29	Adolph Boeltimer	73	Breese	1	1		Leg broken, falling slate	180
29	Joe Shaw	55	Duquoin	1	2	3	Foot and hip bruised, falling slate	*
Nov. 3	Robt. Ervin	22	Winkle	1	1	2	Finger cut, falling coal	39
11	Antoine Feldewerth	64	Breese	1	4	1	Hip injured, lifting car	30
12	Peter Cavallo	30	Benton	1	1		Head injured, safety catch	30
26	Milam Taft	33	Duquoin	1	4	5	Arm broken, flying coal	60
29	Wm. Cavins	24	do.	1	1		Collar bone broken, mule and rib	30
Dec. 3	Joseph B. Woods	56	do.	1	3	4	Thigh broken, falling slate	65
5	George Morris	27	Bush	1	1		Foot bruised, trap door	30
6	Earl Garner	21	W. Frankfort	1	1		Collar bone broken, pit car	50
15	Henry Dale	21	Christopher	1	1	1	Ankle dislocated, motor	70
16	James Stedd	22	Duquoin	1	1		Body and legs bruised, pit car	60
16	Antoine Cogna	35	Pinckneyville	1	1		Leg broken, falling slate	63
16	Christ Faust	42	do.	1	3	4	Hip dislocated, falling clod	65
18	Wm. Moore	30	Odin	1	1		Foot and hips injured, falling rail	35
21	Angello Mavello	37	Pinckneyville	1	1		Body injured, falling slate	72

Non-Fatal Casualties—Ninth District—Concluded.

Date.	Name.	Age.	Residence. (Town.)	Married. Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1907								
Dec. 25	John Ferreri.....	35	W. Frankfort....	1	1	.....	Fingers injured, pit car.....	41
29	Wm. Taft.....	45	Duquoin.....	1	4	5	Arm broken, shot blowing through pillar.....	70
31	Blaine Solimon.....	23	Breese.....	1	.....	.....	Foot injured, pit car.....	35
1908								
Jan. 7	Ben Brenning.....	36	do.....	1	3	4	Leg broken, falling rock.....	120
16	Bruno Wankoski.....	18	Christopher.....	1	.....	.....	Face, hands and arms burned, powder explosion.....	120
16	Pela Liporseiz.....	.....	W. Frankfort....	1	.....	1	Leg bruised, falling coal.....	68
23	John Reese.....	32	Benton.....	1	.....	1	Toes cut off, pit car.....	328
23	Henry Schulte.....	33	Breese.....	1	1	2	Hip injured, kicked by mule....	31
24	Geo. Kissler.....	.....	do.....	1	.....	1	Arm broken, falling door.....	39
Feb. 3	Wm. Ginn.....	28	Pinckneyville....	1	1	2	Hips bruised, falling slate.....	*
22	L. N. Posten.....	30	do.....	1	2	3	do.....	*
22	Martin Newyark.....	.....	New Baden.....	1	.....	.....	Eyes destroyed, burning fuse...	*
Mar. 3	Joseph Sul.....	20	Zeigler.....	1	.....	.....	Foot crushed, motor.....	90
4	John D. Zuelzinski.....	41	do.....	1	1	2	Back and knee injured, falling slate.....	93
4	Fred Wallheimer.....	34	Trenton.....	1	1	2	Back injured, falling clod.....	104
7	George Long.....	.....	W. Frankfort....	1	4	5	Legs and hips crushed, top beam	67
12	John Clark.....	28	Christopher.....	1	.....	.....	Fingers mashed, pit car.....	42
19	Frank Bender.....	23	W. Frankfort....	1	6	7	Body burned, gas explosion.....	52
19	Sankey Francis.....	28	Duquoin.....	1	.....	.....	Leg broken, falling coal.....	92
23	Reed Adams.....	23	Zeigler.....	1	.....	.....	Arm broken, pit car.....	120
25	J. R. Trippet.....	.....	W. Frankfort....	1	.....	.....	Body burned, gas explosion.....	47
25	W. J. Trippet.....	.....	do.....	1	.....	.....	do.....	47
Apr. 15	Wilo Bosnich.....	23	Zeigler.....	1	.....	.....	Skull fractured, falling crank...	90
25	Paul Panlich.....	18	do.....	1	.....	.....	Leg broken, pit car.....	*
May 1	Walter Helms.....	17	Odin.....	1	.....	.....	Foot injured, motor.....	60
14	Wm. Elam.....	.....	Duquoin.....	1	.....	.....	Leg broken, falling coal.....	46
23	Gaul Magnola.....	20	Zeigler.....	1	.....	.....	Leg broken, trolley wire.....	*
26	Stephen Gallick.....	23	do.....	1	.....	.....	Arm broken, pit car.....	*
25	Thomas Ricks.....	25	Centralia.....	1	.....	.....	Back injured, falling coal.....	36
27	Wm. Mays.....	50	Central City.....	1	.....	1	Leg broken, falling coal.....	*
June 3	Hubert Muller.....	25	Breese.....	1	2	3	Body bruised, falling cage.....	*
3	Wm. Davis.....	28	do.....	1	.....	.....	do.....	*
5	H. Murphy.....	.....	W. Frankfort....	1	1	2	Finger mashed, falling slate....	*
10	Harry Oliver.....	18	Benton.....	1	.....	.....	Internally injured, ruptured, mule fell on him.....	*
	Total.....			46	47	80	115	

*Not recovered July 1, 1908.

Total number of men injured.....	93
Not recovered July 1, 1908.....	12
Number recovered July 1, 1908.....	81
Time lost by men recovered, days.....	5,135
Average time lost by men recovered, days.....	63.40

Recapitulation of Non-Fatal Casualties—Ninth District—1908.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Beckemeyer.....	2	Blacksmith.....	1	Burning fuse.....	1	Avery C. & M. Co.....	1
Benton.....	6	Cager.....	1	Catch, safety.....	1	Benton Coal Co.....	4
Breese.....	8	Carpenter.....	1	Falling cage.....	2	Bessemer Washed C. Co.....	5
Bush.....	1	Drivers.....	18	Falling casting.....	1	B. M. Carterville C. Co.....	2
Central City.....	1	Foreman.....	1	Falling clod.....	2	Breese-Trenton Coal Co.....	5
Centralla.....	4	Loader.....	1	Falling coal.....	11	Brilliant Coal Co.....	1
Christopher.....	4	Laborers.....	3	Falling crank.....	1	Centralla Coal Co.....	5
Duquoin.....	12	Mach. helpers.....	2	Falling door.....	1	Consolidated Coal Co.....	5
New Baden.....	3	Miners.....	40	Falling rail.....	1	Dering Coal Co.....	29
Odin.....	3	Oiler.....	1	Falling rock.....	1	Duquoin Coal Co.....	2
Pinckneyville.....	5	Shot firers.....	3	Falling slate.....	14	Jupiter Mining Co.....	1
Royalton.....	1	Slate picker.....	1	Flying coal.....	2	Majestic Coal Co.....	4
Trenton.....	3	Timbermen.....	8	Gas explosion.....	22	New Moon Mining Co.....	1
W. Frankfort.....	29	Trackman.....	1	Kicked by mule.....	3	Odin Coal Co.....	3
Winkle.....	1	Trappers.....	3	Lifting car.....	1	Paradise Coal Co.....	3
Zeigler.....	10	Trip riders.....	7	Locomotive.....	1	Rend Coal Co.....	2
		Weighman.....	1	Motors.....	4	Southern Coal Co.....	3
				Mule and rib.....	1	Trenton Coal Co.....	3
				Mule, stepped on.....	1	United Coal Co.....	3
				Mule, ran away.....	1	Zeigler Coal Co.....	10
				Pit cars.....	15	Zeigler District Coal Co.....	1
				Powder explosion.....	1		
				Shot blown thro. rib.....	1		
				Slipping rope.....	1		
				Top team.....	1		
				Trap door.....	1		
				Trolley wire.....	1		
Totals.....	93		93		93		93

Recapitulation of Non-Fatal Casualties, Nature of Injuries, Conjugal Relations and Time Lost—Ninth District—July 1, 1908.

NATURE OF INJURIES.	Number.	Married.	Single.	Children.	Dependents.	TIME LOST—DAYS.		Percentage of injuries.
						Total.	Average.	
Ankles dislocated.....	1	1			1	70	70.00	1.08
Arms broken.....	6	2	4	8	10	409	81.80	6.45
Arms, face and body burned.....	10	6	4	4	6	399	39.90	10.75
Backs and knees injured.....	1	1		1	2	93	93.00	1.08
Backs injured.....	6	3	3	2	5	319	53.17	6.45
Body and legs injured.....	1		1			60	60.00	1.08
Bodies injured.....	4	1	3	2	3	102	51.00	4.30
Bodies burned.....	12	8	4	23	30	769	64.08	12.90
Collar bones broken.....	2	1	1		1	80	40.00	2.15
Eyes destroyed.....	1		1					1.08
Faces cut.....	1	1				30	30.00	1.08
Feet and hips injured.....	12	2		2	4	35	35.00	2.15
Feet injured.....	7	2	5	1	3	380	54.29	7.53
Fingers cut off.....	2	1	1	1	2	129	64.50	2.15
Fingers injured.....	2	1	1	1	2	41	41.00	2.15
Hands bruised.....	1		1			30	30.00	1.08
Heads injured.....	3	2	1	3	4	185	61.67	3.23
Hips dislocated.....	1	1		3	4	65	65.00	1.08
Hips injured.....	5	4	1	8	8	121	40.33	5.38
Internally injured.....	1		1					1.08
Legs and hips crushed.....	1	1		4	5	67	67	1.07
Legs broken.....	13	3	10	8	12	1,139	113.90	13.98
Legs injured.....	4	3	1	4	6	204	51.00	4.30
Shoulders and fingers injured.....	1		1			42	42.00	1.07
Shoulder blade broken.....	1		1			71	71.00	1.07
Thigh broken.....	1	1		3	4	65	65.00	1.07
Toes cut off.....	1		1			32	32.00	1.07
Toes injured.....	1		1			78	78.00	1.07
Wrists broken.....	1	1		2	3	120	120.00	1.07
Totals.....	93	46	47	80	115	5,135	63.40	100.00

Clinton County—Ninth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Southern Coal Co., No. 9.....	New Baden.....	146,468	90,900	96,544	333,912
2	Breese-Trenton Mining Co., No. 1.....	Breese.....	5,717	117,904	114,625	238,246
3	Breese-Trenton Mining Co., Buxton.....	Beckmeyer.....	4,588	133,970	52,936	191,494
4	Coöperative Coal & Mining Co., No. 1.....	Breese.....	88,500	88,305	88,305	176,805
5	Trenton Mining Co., No. 1.....	Trenton.....	78,670	48,699	48,699	127,369
6	Consolidated Coal Co., Breese.....	Breese.....	48,859	5,774	3,609	58,242
7	Southern Coal Co., No. 10.....	Germantown.....	14,906		11,696	26,602
Totals.....			205,632	530,624	416,414	1,152,670

Mines reported for 1907, 7.

Mines in 1908, 7.

Franklin County—Ninth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Zeigler Coal Co., No. 1.....	Zeigler.....	27,700	74,244	420,778	522,722
2	Dering Coal Co., No. 11.....	W. Frankfort...	130,918	50,001	70,481	251,400
3	Benton Coal Co., No. 1.....	Benton.....	19,958	65,695	116,397	202,050
4	United Coal Co., No. 1.....	Christopher.....	6,713	60,356	108,044	175,113
5	Zeigler District Colliery Co., No. 1.....	do.....	7,340	34,317	114,853	156,510
6	W. P. Rend Colliery Co., No. 1.....	Benton.....	1,629	24,479	87,723	113,831
7	Franklin County Colliery Co., No. 1.....	Sesser.....	20,727	23,974	66,831	111,532
8	Big Muddy-Carterville Mining Co., No. 1.	Pierce.....	22,751	9,154	24,918	56,823
9	Hart-Williams Coal Co., No. 1.....	Benton.....	7,075	15,072	27,767	49,914
10	Dering Coal Co., No. 18.....	W. Frankfort...	38,300	.....	.....	38,300
Totals.....			283,111	357,292	1,037,792	1,678,195

Mines reported for 1907, 8.

New mines, 2.

Mines in 1908, 10.

Clinton County—Ninth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$333,912	315,124	18,788	210	275	140	415	.....	.....	3	3,302	U. C. . .	Pneu. . .	1
238,246	176,191	62,055	243	160	54	214	238,246	1	3	7,831	Solid. . .	W. . .	12
191,494	186,250	5,244	199	180	55	235	191,494	2	12	6,196	do. . .	do. . .	3
159,124	169,305	7,500	227	125	37	162	176,805	.....	.....	10,000	do. . .	Pneu. . .	4
135,136	112,660	14,709	165	145	108	253	.....	.....	3	1,011	U. C. . .	do. . .	5
54,646	53,777	1,465	108	101	50	151	58,242	5	5	1,900	Solid. . .	do. . .	6
26,602	20,572	6,030	153	36	22	58	481	.....	.....	251	Both. . .	W. . .	7
\$1,139,160	1,033,879	118,791	186	1,022	466	1,488	665,268	3	16	30,491			

Franklin County—Ninth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$470,450	498,422	24,300	272	301	261	562	.....	3	10	13,875	U. C. . .	Pneu. . .	1
251,400	239,075	12,325	239	134	92	226	201,120	4	25	9,573	Both. . .	do. . .	12
222,255	187,406	14,644	191	138	103	241	63,424	.....	4	4,209	do. . .	do. . .	3
175,113	163,630	11,483	224	107	49	156	39,576	1	3	3,351	do. . .	do. . .	4
164,332	151,761	4,749	223	117	48	165	156,510	1	1	6,782	Solid. . .	do. . .	5
113,831	106,442	7,389	241	102	90	192	.....	.....	2	1,265	U. C. . .	do. . .	6
111,532	103,932	7,600	240	100	34	134	56,721	2	.....	1,346	Both. . .	do. . .	7
48,165	55,023	1,800	188	85	27	112	56,823	1	2	1,780	Solid. . .	do. . .	8
44,923	45,459	4,455	233	42	48	90	.....	.....	.....	951	U. C. . .	do. . .	9
38,300	34,850	3,450	140	24	16	40	.....	1	4	1,280	do. . .	do. . .	10
\$1,640,301	1,586,000	92,195	219	1,150	768	1,918	574,174	13	51	44,412			

Jefferson County—Ninth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	David Orr Coal Co., No. 1.....	Mt Vernon.....	25,000			25,000
2	Sophia A. Shelton.....	Opdyke.....	45			45
	Totals.....		25,045			25,045

Mines reported for 1907, 2.

Mines in 1908, 2.

Marion County—Ninth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Centralia Coal Co., No. 2.....	Centralia.....	15,242	107,612	165,899	288,753
2	Centralia Coal Co., No. 4.....	do.....	13,337	94,162	145,160	252,659
3	Centralia Coal Co., No. 3.....	do.....	9,526	67,258	103,687	180,471
4	Odin Coal Co., No. 1.....	Odin.....		136,289	54,353	190,642
5	Middleton & Seidel, No. 2.....	Sandoval.....	42,400			42,400
	Totals.....	.....	80,505	405,321	469,099	954,025

Mines reported for 1907, 6.

Abandoned mines, 1.

Mines in 1908, 5.

Jefferson County—Ninth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$37,500	25,000	247	35	12	47	25,000	.....	.....	600	Solid...	W....	1
103	20	2	.....	3	45	.....	.....	.....	.....	.....	2
\$37,603	25,000	134	37	12	50	25,045	.....	.....	600	.....	.....

Marion County—Ninth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$288,753	145,312	143,441	239	228	104	332	288,753	1	2	10,080	Solid...	Pneu.	1
252,659	242,290	10,369	239	199	90	289	252,659	1	2	8,819	.....	.....	2
180,471	146,034	34,437	239	143	64	207	180,471	1	1	6,299	.....	W....	3
188,559	178,352	12,290	245	184	72	256	36,419	2	3	1,490	Both...	.....	4
37,000	40,360	2,040	119	70	25	95	42,400	.....	.....	1,842	Solid...	Pneu.	5
\$947,442	752,348	202,577	216	824	355	1,179	800,702	5	8	28,530	.....	.....

Perry County—Ninth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total
SHIPPING MINES.						
1	Majestic Coal Co., No. 1.....	Clinch.....	245,513			245,513
2	Paradise Coal & Coke Co., No. 1.....	Duquoin.....	50,000	50,000	100,000	200,000
3	Willis Coal & Mining Co., No. 1.....	Willisville.....	166,070			166,070
4	Duquoin Operating Co., Queen.....	Clinch.....		55,433	95,993	151,426
5	Bessemer Washed Coal Co., White Wal.....	Pinckneyville.....	17,500	54,440	61,385	133,325
6	Missouri & Illinois Coal Co., No. 1.....	Willisville.....	100,929			100,929
7	Brilliant Coal & Coke Co.....	Duquoin.....		37,806	56,709	94,515
8	Miller-Horn Coal Co., No. 3.....	do.....	76,991			76,991
9	Imperial Coal Co., No. 2.....	do.....	4,000	38,477	16,247	58,724
10	St. Louis-Coulterville Coal Co., Vulcan.....	Coulterville.....	2,369	38,000	14,486	54,855
11	Johnson-Allen Coal Co., Bernard.....	Cutler.....	40,255	10,064	3,354	53,673
12	Avery Coal & Mining Co., Bald Eagle.....	Winkle.....	888	35,089	16,726	52,703
13	Jupiter Coal & Mining Co., No. 1.....	Duquoin.....		26,000	26,438	52,438
14	Tamaroa & Little Muddy Coal Co.....	Tamaroa.....		27,962	9,321	37,283
15	Jupiter Coal & Mining Co., No. 5.....	Duquoin.....		16,000	11,917	27,917
16	Bailey Bros., No. 3.....	Sunfield.....		21,781	4,535	26,316
17	New Moon Mining Co., New Moon.....	Duquoin.....		9,458	14,089	23,547
18	Diamond Fuel Co., Diamond.....	do.....	19,718			19,718
19	Anchor Coal & Mining Co., Perr C. M.....	do.....	1,000	9,831	3,000	13,831
20	Strait Coal Co., Strait mine.....	Pinckneyville.....	8,000	2,450	1,040	11,490
21	Wilson Coal Co.....	Cutler.....	861	2,664	336	3,861
Totals.....			734,094	435,455	435,576	1,605,125
LOCAL MINES.						
1	John G. Schneider.....	Pinckneyville.....		1,700	828	2,528
2	John Anderson.....	do.....		1,258	300	1,558
3	Hensen & Hensen.....	do.....		600	100	700
4	Charles Presswood.....	Duquoin.....		400	100	500
Totals.....				3,958	1,328	5,286
Totals—25 mines.....			734,094	439,413	436,904	1,610,411

Mines reported for 1907, 27.

New mines, 1.

Abandoned mines, 3.

Mines in 1908, 25.

Perry County—Ninth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hands.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Injured.	Killed.				
\$184,134	238,000	7,513	168	280	65	345	245,513	1	4	9,095	Solid	Pneu.	1
140,000	163,000	37,000	175	150	65	215	200,000	2	3	6,000	..do.	..do.	2
167,730	163,023	3,047	182	148	77	225	4,682			2,485	Both	..do.	3
121,140	144,476	6,950	170	150	60	210	151,426	1	2	4,282	Solid	..do.	4
133,325	112,323	21,002	228	105	36	141	133,325		5	4,556	..do.	..do.	5
92,854	99,190	1,739	154	81	33	114				1,038	U. C.	..do.	6
91,679	89,314	5,201	198	92	27	119	94,515	2	1	3,175	Solid	W.	7
67,000	73,701	3,290	207	76	26	102	76,991			2,790	..do.	..do.	8
46,975	56,469	2,255	206	45	17	62	58,724			900	..do.	Pneu.	9
46,826	52,193	2,662	149	65	20	85	54,855			2,049	..do.	W.	10
50,000	42,933	10,740	171	53	14	67	53,673			1,600	..do.	..do.	11
40,651	48,320	4,383	196	50	33	83	17,057		1	1,121	Both	Pneu.	12
62,400	48,838	3,600	195	60	25	85	52,438	2	1	1,700	Solid	..do.	13
37,283	34,583	2,700	117	70	18	88	37,283			1,612	..do.	W.	14
28,937	25,417	2,500	195	18	13	31	1,910			697	Both	Pneu.	15
24,000	24,669	1,647	200	40	11	51	26,316			919	Solid	W.	16
23,547	17,760	5,787	235	25	8	33	23,547		1	789	..do.	Pipe	17
17,746	17,718	2,000	180	41	13	54	19,718			963	..do.	W.	18
12,447	12,431	1,400	156	20	10	30	13,831			976	..do.	..do.	19
11,490	9,990	1,500	160	15	6	21	11,490			370	..do.	..do.	20
3,313	2,819	1,042	140	5	2	7	3,861			149	..do.	..do.	21
\$1,403,477	1,477,167	127,958	180	1,589	579	2,168	1,231,155	8	18	47,266			
\$2,528	2,528	195	5	1	6	2,528				71	Solid	..do.	1
1,558	1,558	150	2	1	3	1,558				82	..do.	..do.	2
700	700	125	2	1	3	700				25	..do.	..do.	3
500	500	110	1	1	2	500				20	..do.	..do.	4
\$5,286	5,286	145	10	4	14	5,286				198			
\$1,408,763	1,477,167	133,244	180	1,599	583	2,182	1,286,441	8	18	47,464			

Randolph County—Ninth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Willis Coal & Mining Co., No. 6.....	Perey.....	192,864	13,002	10,835	216,701
2	Moffat Coal Co., No. 1.....	Sparta.....	35,000	62,579	9,000	106,579
3	Bessemer Washed Coal Co., Crystal.....	Tilden.....	75,000	8,982	10,136	94,118
4	Illinois Fuel Co., No. 4.....	Sparta.....	35,447	31,473	1,645	68,565
5	Boyd Coal & Coke Co., No. 1.....	do.....	48,000	6,000	3,600	57,600
6	Wilson Bros. Coal Co., Eden mine.....	do.....	40,024	10,947	1,564	52,535
7	Jones Bros. Coal & Mining Co., Eureka 2.....	Tilden.....	5,570	30,109	12,130	47,809
8	Bessemer Washed Coal Co., Tilden mine.....	Tilden.....		32,176	10,726	42,902
9	Coulterville Mining Co., No. 1.....	Coulterville.....	15,432	20,644	2,913	38,989
10	West Mine Coal Co., Consol mine.....	do.....		23,337	7,600	30,937
Totals.....			447,337	239,249	70,149	756,735
LOCAL MINES.						
1	C. J. Boyle & Sons.....	Sparta.....	12,200			12,200
2	Bixby's Coal Co.....	do.....		2,500		2,500
3	C. P. Fellers Mine.....	do.....		2,131		2,131
4	Adam Bros. Coal Co.....	Willisville.....	1,948			1,948
5	H. M. Welshans.....	Sparta.....		1,503	250	1,753
Totals.....			14,208	6,134	250	20,592
Totals—15 mines.....			461,545	245,383	70,399	777,327

Mines reported for 1907, 13.

New mines, 2.

Mines in 1908, 15.

Randolph County—Ninth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$217,784	212,156	4,545	236	156	58	214	.....	1	.....	4,425	U. C.	Pneu.	1
95,921	98,903	7,676	226	70	23	93	.....	1	.....	1,607	..do.	..do.	2
94,118	85,895	8,223	156	70	27	97	94,118	.....	.....	5,085	Solid.	W.	3
61,708	64,952	3,613	227	53	22	75	.....	.....	.....	1,069	U. C.	..do.	4
57,600	53,000	4,600	168	80	25	105	57,600	.....	.....	2,300	Solid.	..do.	5
44,000	50,825	1,710	140	62	16	78	52,535	.....	.....	2,751	..do.	Pneu.	6
35,856	46,668	1,141	130	32	12	64	47,809	.....	.....	1,886	..do.	W.	7
40,000	40,600	2,302	106	50	19	69	42,902	1	.....	2,108	..do.	..do.	8
37,748	34,414	4,575	148	50	24	74	38,989	1	.....	1,845	..do.	..do.	9
24,749	28,873	2,064	172	38	13	51	30,937	.....	.....	1,650	..do.	..do.	10
<u>\$709,484</u>	<u>716,286</u>	<u>40,449</u>	<u>171</u>	<u>681</u>	<u>239</u>	<u>920</u>	<u>364,890</u>	<u>4</u>	<u>.....</u>	<u>24,726</u>			
\$12,260	.....	12,260	240	5	1	6	12,260	.....	.....	200	.....	.....	1
2,500	.....	2,500	135	5	2	7	2,500	.....	.....	127	.....	.....	2
2,131	.....	2,131	200	5	1	6	2,131	.....	.....	115	.....	.....	3
1,948	.....	1,948	150	5	1	6	1,948	.....	.....	120	.....	.....	4
1,753	.....	1,753	240	3	1	4	1,753	.....	.....	76	.....	.....	5
<u>\$20,592</u>	<u>.....</u>	<u>20,592</u>	<u>193</u>	<u>23</u>	<u>6</u>	<u>29</u>	<u>20,592</u>	<u>.....</u>	<u>.....</u>	<u>638</u>			
<u>\$730,076</u>	<u>716,286</u>	<u>61,041</u>	<u>....</u>	<u>704</u>	<u>245</u>	<u>949</u>	<u>385,482</u>	<u>4</u>	<u>.....</u>	<u>25,364</u>			

Washington County—Ninth District—1908.

OUTPUT OF MINES IN TONS.						
Number.	NAME OF OPERATOR.	Postoffice address of the mines.	Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Nicholson Coal Co., No. 1.....	Nashville.....	19,608	9,500	9,500	38,608
2	Kuhn Colliery Co., No. 1.....	DuBois.....		29,552	7,388	36,940
Totals.....			19,608	39,052	16,888	75,548

Mines reported for 1907, 2.
Mines in 1908, 2.

White County—Ninth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Norris City Coal Co., No. 1.....	Norris City.....	19,480	.....	.....	19,480

Mines reported for 1907, 1.
Mines in 1908, 1.

Washington County—Ninth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$38,608	400	38,208	186	41	14	55	38,608	.....	.....	1,000	Solid...	W....	1
31,400	31,940	5,000	143	52	19	71	36,940	.....	.....	855	do.	do....	2
\$70,008	32,340	43,208	165	93	33	126	75,548	.....	.....	1,855			

White County—Ninth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$19,480	7,908	11,572	186	16	20	36	19,480	.....	.....	1,039	Solid...	W....	1

Shipping Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Clinton.....	7	205,632	530,624	60,751	78,978	148,671	128,014	1,152,670	\$0.988
Franklin.....	10	283,111	357,292	236,651	287,986	495,068	18,087	1,678,195	0.977
Marion.....	5	80,505	405,321	109,602	56,371	197,787	105,339	954,925	0.992
Perry.....	21	734,094	435,455	97,213	79,463	238,407	20,493	1,605,125	0.874
Randolph.....	10	447,337	239,249	3,051	5,272	48,244	13,582	756,735	0.938
Washington.....	2	19,608	39,052	4,750	.....	12,138	.....	75,548	0.927
White.....	1	19,480	.....	.....	.....	.....	.....	19,480	1.00
Total.....	56	1,789,767	2,006,993	512,018	508,070	1,140,315	285,515	6,242,678	\$0.95

Local Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Jefferson.....	2	25,045	.....	.....	.....	.....	.....	25,045	\$1.501
Perry.....	4	.....	3,958	.....	615	213	500	5,286	1.00
Randolph.....	5	14,208	6,134	.....	250	.....	.....	20,592	1.00
Total.....	11	39,253	10,092	.....	865	213	500	50,923	\$1.247
Grand total.....	67	1,829,020	2,017,085	512,018	508,935	1,140,528	286,015	6,293,601	.....

Whole number of mines reported in 1907, 67.

New mines opened during the year, 5.

Number of mines abandoned during the year, 5.

Whole number of mines reported for 1908, 67.

Counties—Ninth District—1908.

DISPOSITION OF OUTPUT—TONS.			EMPLOYES.							BLASTING COAL.			
Loaded on cars for shipment.	Other purposes.	Days of active operation.	UNDERGROUND.			All above ground.	Total.	Tons mined—By hand.	Powder—Blasting coal.	From solid—Tons.	Undercut—Tons.	Both methods—Tons.	
			Miners.	Others.	Boys.								
1,033,879	118,791	186	1,022	288	29	149	1,488	665,268	30,491	664,787	461,281	26,602	
1,586,000	92,195	219	1,150	474	29	265	1,918	514,174	44,412	213,333	724,767	740,095	
752,348	202,577	216	824	232	34	89	1,179	800,702	28,530	764,283	.....	190,642
1,477,167	127,958	180	1,589	352	26	102	2,168	1,281,155	47,266	1,257,506	100,929	246,690	
716,286	40,449	171	681	146	10	83	920	364,890	24,726	364,890	391,845	.....
32,340	43,208	165	93	17	1	15	126	75,548	1,855	75,548	.....	.....
7,908	11,572	186	16	13	....	7	36	19,480	1,039	19,480	.....	.....
5,605,928	636,750	189	5,375	1,522	129	809	7,835	3,781,217	178,319	3,359,827	1,678,822	1,204,029	

Counties—Ninth District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.						BLASTING COAL.				
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.	Tons mined—By hand.	Powder—Blasting.	From solid—Tons.	Undercut—Tons.	Both methods—Tons.	
			Miners.	Others.	Boys.								
.....	25,045	134	37	5	1	7	50	25,045	600	25,045	.....	.....
.....	5,286	145	10	.....	.....	4	14	5,286	198	5,286	.....	.....
.....	20,592	193	23	.....	.....	6	29	20,592	638	20,592	.....	.....
.....	50,923	165	70	5	1	17	93	50,923	1,436	50,923	.....	.....
5,605,928	687,673	....	5,445	1,527	130	826	7,928	3,832,140	179,755	3,410,750	1,678,822	1,204,029

TENTH INSPECTION DISTRICT--1908.

THIRD ANNUAL REPORT.

Counties: Gallatin, Jackson, Johnson, Saline, Williamson.

THOMAS LITTLE, *Inspector*, Carbondale.

Hon. David Ross, Secretary State Bureau of Labor Statistics, Springfield, Ill.:

SIR—In compliance with the statute of the State, defining the duties of the State inspectors of coal mines, I herewith submit the third annual report of the coal mines in the tenth inspection district for the year ending June 30, 1908.

The tabular statements presented give the statistics for each county, showing the number of mines operated during the year, both shipping and local; the new and abandoned mines; the depth of coal below the surface, with the geological number and thickness of the various coal seams; the number of miners and other employes working in the mines and on the surface; the total tonnage of all grades of coal; the average value of coal at the mines, and the aggregate value of the total product in the district, with the casualties in and around the mines, both fatal and non-fatal.

The following summary gives all of the principal facts compiled from the schedules of the several counties:

Number of counties in which coal is produced.....	5
Total number of mines.....	107
Number of mines, shipping.....	7
Number of mines abandoned, shipping.....	1
Number of local mines.....	39
Total tonnage of shipping mines.....	8,449,749
Total tonnage of local mines.....	115,376
Total tonnage, all mines.....	8,565,125
Tons loaded on cars for shipment.....	7,905,487
Tons supplied to locomotives.....	113,029
Tons sold to local trade.....	210,828
Tons consumed and wasted at the mines.....	335,781
Aggregate value of total product.....	\$8,127,184
Number of miners in all the mines.....	7,301
Number of other employes and boys underground.....	2,634
Number of employes above ground.....	1,128
Total number of employes.....	11,063
Total number of mine machines in use.....	243
Total tons cut by machine.....	3,276,895
Total tons produced by hand in all mines.....	5,288,230
Number of kegs of powder used for blasting coal.....	239,088
Number of fatal accidents.....	31
Number of non-fatal accidents.....	115
Number of wives made widows.....	14
Number of children made fatherless.....	27
Number of tons produced for each fatal accident.....	276,294
Number of tons produced for each non-fatal accident.....	74,479
Number of persons employed to each fatal accident.....	357
Number of persons employed to each non-fatal accident.....	96

The increase and decrease in each county for the years ending June 30, 1907, and June 30, 1908, are shown in the following table:

COUNTIES.	TOTAL OUTPUT OF ALL GRADES OF COAL IN TONS.		Increase.	Decrease.
	1907	1908		
Williamson.....	5,766,452	5,367,140	100,688	
Saline.....	1,711,825	2,482,677	770,852	
Jackson.....	705,363	637,090		68,275
Gallatin.....	88,908	75,322		13,586
Johnson.....	2,900	2,896		4
Totals.....	7,775,448	8,365,125	871,540	81,863
Net increase.....			789,677	

NEW MINES.

Williamson county, The Johnston City and St. Louis Coal Company, Johnston City, has completed a new mine. Coal was struck at a depth of 270 feet July 15, 1907. The shaft is 15 feet by 8 feet 8 inches. The seam of coal is 9 feet thick. The tower is 60 feet high, built of yellow pine and bolted together. A pair of first motion engines 20 by 36 inches, made by the Aetna Machine Company, have been put in; the drum is 6 feet in diameter and the cable is 1½ inches. Three boilers have been put in; one, the Atlas make, is 6 feet by 72 inches with 70 4-inch flues; the other two are 6 feet by 16 inches and have 50 3-inch flues. The feed pumps are a Blackley with a 4-inch suction and a 3-inch discharge, and a Cameron with a 5-inch suction and a 4-inch discharge.

The cages are self-dumping; the shaker screen is the Hassen & Henneker Machine Company make. The engine, made by the same firm, runs the machine and is 18 inches by 12 inches. The boiler room and engine room are covered with iron. This shaft is built for a capacity of 2,000 tons per day.

The Keystone & Big Muddy Coal and Coke Company has sunk a new mine near Marion. This shaft is 10 by 18 feet. Coal was reached at a depth of 150 feet in January, 1908. The head tower is 63 feet high and built of yellow pine, securely bolted. The engine house is built of brick 36 feet by 40 feet; the equipment is a pair of first motion engines, 22 by 36 inches, made by the Aetna Machine Company. The drum is 5½ by 7 feet with a 1½-inch cable. The sheave wheels are 7 feet in diameter. There are two boilers, both are 18 by 72 inches with 72 4-inch flues; also two feed pumps, one a Fairbanks with a 3-inch suction and a 2-inch discharge, the other a Dean down in the mine with a 5-inch suction and a 4-inch discharge. The shaker screen is 8 inches by 23 feet, made by the Eagle Iron Works, Terre Haute, Ind.; there are four tracks under the screens, constructed to make four grades of coal; there are also two track scales and one wagon scale. The air shaft is completed and the ladders ready to be put in. The fan is of the Stine make but is not yet placed. It is ordered and will be 7 feet in diameter, with a bolt drive; the capacity will be 60,000 cubic feet of air per minute. The mine is equipped with a Sullivan air compressor and two Sullivan air punching machines. The compressor has a steam cylinder 22 by 24 inches; two air cylinders, one 14 by 24 inches and the other 20 by 24 inches. The boiler room is 33 feet by 46 feet and is covered with galvanized iron. The blacksmith shop is also 33 feet by 46 feet, and the office building 18 feet by 20 feet. This mine is located on the projected Eldorado & Marion Railroad.

The Culp Coal Company has completed a mine located five miles northeast of Marion. At this mine coal was reached Dec. 10, 1907, at a depth of 210 feet. The shaft is 9½ by 15 feet; the seam is 6½ feet thick. A pair of first motion engines have been installed, size 20 by 30 inches, made by, the Danville Foundry and Machine Company. The drum is 6 feet in diameter, the sheave wheels the same with 1¼-inch cable. There are two boilers 18 feet by 72 inches with 70 4-inch flues. The engine room is built of brick and is 22 feet by 38 feet; the boiler room is 28 feet by 42 feet and is also built of brick. The tippie is built of heavy steel and is 60 feet high; it was built by the Westconcart Bridge and Iron Works. The shaker screen was made by the Eagle Iron Works. There are two pumps, both Cameron, one with a 3-inch suction and 2-inch discharge, the other is down in the mine and has a 4-inch suction and a 3-inch discharge. Four tracks lead under the tippie so that four grades of coal can be produced. The air shaft is down and is 9 feet by 14 feet and 208 feet deep. The plant is up-to-date in all of its appointments and has a capacity of 2,000 tons per day.

In Saline county, the Davenport Mining Company has completed a new mine two miles south of Carriers Mills, on the Big Four Railroad. Coal was reached Feb. 9, 1908, at a depth of 166 feet; the seam is 4½ feet thick. The shaft is 8½ by 15 feet, timbered with 4 by 8 inch oak timber. The head frame is 60 feet high, made of 4 by 10 inch pine bolted together. The hoisting engine is 16 by 32 inches, made by Keck-Gonnerman, Mount Vernon, Ind. One boiler made by the same company, size 70 inches by 20 feet with 26 6-inch tubes. The engine room is 24 by 24 feet, ceiled with flooring and has a galvanized iron roof. The head frame and out-buildings are all covered with galvanized iron. The blacksmith shop is 25 by 50 feet. The air shaft is started, it is 8 by 12 feet. The fan is on the ground, ready to be put in place. It is of the Keck-Gonnerman Company make, 16 feet in diameter, driven by a 12 by 16 inch engine. Three tracks are built under the screens, with one pair of track scales and one pair of wagon scales. This is a good plant and well built.

The Eldorado Coal and Mining Company has completed a new mine one mile northeast of Eldorado. The seam of coal is 4½ feet thick and was reached July 2, 1907, at a depth of 450 feet. This is No. 5 seam of the geological section and of good quality. The shaft is 9 feet by 14 feet. The head tower is 75 feet high and is built of 4 by 12 inch yellow pine, securely bolted. There are three tracks under the tippie, and two track scales. The shaker screen is 8 feet by 21 feet, Keck-Gonnerman pattern. The engine room is 40 by 48 feet; a conveyor carries the coal from the screens to the boiler room. A Docker pump feeds the boilers and a National pump is down in the mine, this a 4-inch suction and a 3-inch discharge. There are two Erie boilers, 6 by 18 feet with 70 4-inch tubes; the engine is 20 by 30 inches, Keck-Gonnerman make. The company has put in a McEwin, 16 by 16 inches, 187 horsepower; Goodman generator, 100 kilowatts. The air shaft is 9 by 13 feet, with a Keck-Gonnerman 20-foot fan. The engine room and boiler room are brick, the head frame is covered with galvanized iron. The shaft is located on the Big Four Railroad.

IMPROVEMENTS.

The National Mining Company, Eldorado, Saline county, has put in electric machines; also a Morgan-Gardner generator, 100 kilowatts, 250 volts; a Skinner engine, 16 by 18 inches, 160 horsepower, and a Morgan-Gardner chain machine with Keystone bits. I will say that by putting in machines this mine has increased the output, as the coal was hard to blast off the solid.

CHANGES IN NAMES OF COMPANIES.

In Williamson county, the Oak Ridge & Hemlock Coal Company has changed its name and is now known as the Big Muddy River Consolidated Coal Company.

The New Virginia Coal Company and the Chicago & Marion Coal Company, located at White Ash, Williamson county, have changed their names and will be known as the Consumers' Coal Company.

ABANDONED MINES.

The Hafer Washed Coal Company has abandoned its No. 1 mine at Carterville, Williamson County. The Big Muddy Coal & Iron Company has abandoned its No. 6 mine at Murphysboro, Jackson county. The Inland Steel Company has abandoned its mine at DeSota, Jackson county. The Carterville Coal Company has abandoned its No. 2 and No. 3 mines in Williamson county.

FATAL ACCIDENTS.

Following will be found the descriptive particulars concerning the fatal accidents occurring in the district during the year:

July 1, 1907, Anthony Aklea, cager, 21 years of age, single, employed at the O'Gara Coal Company mine No. 3 at Harrisburg, Saline county, was killed while loading a car of coal; another car of coal ran down on him, mashing him between the cars. He died from the injuries the same day.

July 1, 1907, Edgar Brush, cager, aged 23 years, single, employed at the Carterville Mining Company's mine No. 3, Lauder, Williamson county, was killed while trying to get a car loose that was stuck on the cage. He was standing on the cage when the engineer hoisted it, catching deceased between the cage and door head of shaft, breaking his neck. The top men say that the signal was given from the bottom to hoist the cage, and the bottom men say there was no signal given from the bottom.

July 8, 1907, Stinson Hall, miner, aged 57 years, married, employed by the Big Muddy River Consolidated Coal Company at its mine No. 1, Johnston City, Williamson county, was killed instantly while cleaning slate in room No. 9 on the first north entry, on east side of the mine. He was working with two other men, when a piece of slate, probably 400 pounds, fell, striking deceased on the head, shoulders and neck. He leaves a widow and three children.

July 20, 1907, John Spezia, miner, aged 33 years, married, employed at the Big Muddy Coal & Iron Company's No. 7 mine, Herrin, Williamson county, was killed instantly while cutting through a pillar—the slate had been falling on the other side. The deceased was stooping over the edge of the slate when a piece of slate fell from the roof, striking him on the head. He had plenty of props and cap pieces in his room, and could have made his place safe. He leaves a widow and one child.

Aug. 11, 1907, Arthur Frisby, driver, aged 22 years, married, employed in the Johnston City Coal Company's mine, Johnston City, Williamson county, was killed while driving on the fourth south entry. Deceased was coming out of No. 7 on to the entry; he failed to get the sprag in the wheel, and went in front of the car to hold it back; it is supposed that his foot slipped and he fell under the car. He leaves a widow and one child.

Aug. 16, 1907, Tilford S. Botts, weighman, aged 32 years, single, employed in the Johnston City Coal Company's mine, Johnston City, Williamson county, was killed instantly while trying to replace a car on the cage which had been thrown into the hopper. Deceased lost his balance and fell to the bottom of the shaft.

Sept. 7, 1907, Denny Stamper, machine runner, aged 30 years, single, employed at the O'Gara Coal Company's mine No. 10, Eldorado, Saline county. Deceased was shoveling slack from the machine when the face of the coal fell on him, breaking his back and causing a scalp wound over his right eye. He died three days afterwards.

Sept. 24, 1907, George Prichett, driver, aged 22 years, single, employed by the Saline County Coal Company, Ledford, Saline county, was killed while waiting at the double parting for empty cars to come in from the

shaft bottom; the cars did not come as expected and deceased went into a cross-cut and laid down to wait. A piece of slate weighing about a hundred pounds fell on his head, crushing his skull. The accident occurred on the main south entry, about 600 feet from the shaft bottom.

Sept. 26, 1907, Oscar Poland, shot-firer, aged 22 years, single, and Molad Rutherford, shot-firer, aged 40 years, married, both employed at the No. 1 mine of the National Mining Company, Eldorado, Saline county, were suffocated. These men had the fuses lighted in five rooms; the shots were going off in rapid succession; one of the shots, however, was a dead hole, which caused a windy shot, and an explosion followed. Death was caused by suffocation. Rutherford leaves a widow.

Oct. 2, 1907, Charles Newton, miner, aged 39 years, married, employed at the Peabody Coal Company's mine No. 2, Marion, Williamson county, was killed while working off a shot. The top coal and slate gave way without giving any warning, and deceased was caught under it. He leaves a widow and four children.

Oct. 8, 1907, William Moore, driver, aged 22 years, single, employed at the Williamson County Coal Company's mine No. 1, Johnston City, Williamson county, was killed while bringing in a trip of cars of coal to the bottom of the shaft. While trying to uncouple his mule, his head was caught between the cars. He died fifteen minutes after the accident.

Oct. 8, 1907, Andrew Carver, driver, aged 25 years, single, employed at the Hafer Washed Coal Company's mine No. 3, Cartersville, Williamson county, was killed while driving on the north side of the mine. Deceased was bringing a trip of cars to the bottom. He had cut the mule from the cars but in some way he slipped and fell under the cars, and was caught under the bumpers and stopped the trip.

Oct. 8, 1907, John Hobby, machine helper, aged 34 years, married, employed by the O'Gara Coal Company in mine No. 9, Harrisburg, Saline county, was killed while shoveling slack for Gus Martin, the machine runner. After they had made the sixth run across the room, Martin told Hobby to examine the coal and see if it was loose. Hobby took his bar and punched the coal, saying he did not think it would fall; after they had started to make the seventh run, about a ton and a half of coal fell on Hobby, killing him almost instantly. He leaves a widow and three children.

Nov. 1, 1907, Isadore Benevitt, driver, aged 30 years, single, employed at the Big Muddy River Consolidated Coal Company, Johnston City, Williamson county, was killed while riding on the front end of a pit car. He fell off the car, which passed over him. He died about two hours after the accident.

Dec. 14, 1907, Noah Yarbough, miner, aged 51 years, single, employed at the O'Gara Coal Company's mine No. 14, Ledford, Saline county, was killed while loading a car at the face of his room by falling slate. The slate that fell was about 4 by 16 feet and 2 inches thick; his neck was broken.

Dec. 19, 1907, Joseph Ellican, cager, single, aged 28 years, employed by the Johnston City & Big Muddy Coal and Mining Company, Johnston City, Williamson county, was fatally injured. A trip of five cars had come in on the bottom of the south side of the shaft; Ellican took the first car to put it on the cage, but failed to put sprags to the balance of the cars; they ran across the cage, crushing him. He died December 23.

Dec. 21, 1907, Patrick Murry, miner, aged 40 years, single, employed at the O'Gara Coal Company's mine No. 4 at Harrisburg, Saline county, was killed instantly by falling slate. Deceased was in his room eating his lunch. The piece of slate was $4\frac{1}{2}$ by 13 feet and 10 inches thick.

Jan. 6, 1908, Ernest May, shot-firer, aged 23 years, single, employed by the O'Gara Coal Company at mine No. 14, Ledford, Saline county, was fatally burned about the face, hands and body. He fired a shot which was too tightly gripped and which also had an excessive charge of powder.

Jan. 11, 1908, James Cousart, miner, aged 27 years, married, employed at mine No. 4 of the O'Gara Coal Company, Harrisburg, Saline county, was fatally burned by igniting the gas in his working place in the No. 12 west

entry. Both Cousart and his partner were warned of the presence of gas on the morning of the accident; they removed the board bearing the examiners' mark on the morning of the accident and supposed they had brushed all the gas out before going to work; after loading one car, Cousart's partner, H. Clark, lighted the gas, which fatally burned Cousart; Clark was not burned at all on account of his lying down. Deceased leaves a widow and two children.

Feb. 12, 1908, Jasper Nealan, aged 50 years, single, miner, employed at the National Mining Company's mine, Eldorado, Saline county, was, with two other men, opening up a fire that had been sealed up; two of the men had safety lamps, Nealan went in after them with an open lamp; when he reached the first open cross-cut, the gas from the lighted lamp exploded, blowing him against the rib, fracturing his skull.

Feb. 13, 1908, J. C. Smothers, shot-firer, aged 37 years, married, employed at the No. 7 mine of the Big Muddy Coal and Iron Company, Herrin, Williamson county, was struck by flying coal from a shot in room No. 67; no one was with him. He was found twenty-five feet from the face of the room and it is supposed that the squib, when fired, was too short, and that it exploded before he could get to a safe place. He leaves a widow and four children.

Feb. 26, 1908, Toney Wagner, miner, aged 60 years, single, employed at Travelstead local mine, situated four miles northwest of Carriers Mills, Saline county, was killed instantly. Wagner and Travelstead, the operator, had been working together in the mine the day of the accident until about 4:00 o'clock p. m., when they both started home. Wagner, after going part of the way, turned back and went into the mine, and started to mine off a standing shot; when the coal came away it caught him and crushed him to death.

March 14, 1908, James McGill, bottom laborer, aged 33 years, married, employed at the Peabody Coal Company's mine, Marion, Williamson county. Deceased was standing at the passing branch at the side of a mule, which was hitched to a trip of empty cars; he was waiting for a mule to come out with a trip of loaded cars. When the loaded cars came out, one of the cars jumped the track at the switch frogs, the car striking the mule that was hitched to the empty cars, crushing him between the mule and the rib of coal. Deceased was injured internally and died about two hours afterward.

March 19, 1908, John Means, miner, aged 24 years, married, employed by the O'Gara Coal Company at its No. 8 mine, Eldorado, Saline county, was killed instantly. The driver was taking out a loaded car and Means was walking along after to bring in an empty car, when a piece of slate $5\frac{1}{2}$ inches by $9\frac{1}{2}$ feet, 4 inches thick, fell on him. He leaves a widow and one child.

May 19, 1908, Joseph Morris, miner, aged 40 years, married, employed by the O'Gara Coal Company in mine No. 9, Harrisburg, Saline county, was killed instantly by a piece of falling slate. Morris and his partner knew that the slate was loose and intended to take it down as soon as they had loaded their car of coal; they had started loading but had only worked a short time when the slate fell on Morris. The piece of slate was 4 by 9 feet and about 5 inches thick. He leaves a widow.

May 22, 1908, William Link, miner, aged 42 years, married, employed at No. 8 mine of the Madison Coal Corporation, Dewmaine, Williamson county, was injured while loading coal at the face of his room. A piece of slate fell on him, crushing him so that he died fifteen hours afterward. He leaves a widow and three children.

June 22, 1908, Charles Davis, driver, aged 19 years, single, employed at the Saline Coal Company's No. 1 mine, Ledford, Saline county, was killed while driving in the fourth west entry. Deceased, when about 100 feet from the main east entry, was told to stop and was heard to say, "I can't stop," but he turned the mule and fell under the car, which was not coming fast. His sprags were found on top of the car. A number of men were standing close by, and, in two minutes, had the car taken off of him; there was room for him to have gotten on the side of the road out of the way of the car.

June 23, 1908, Louis Hosnak, miner, aged 23 years, single, employed by the O'Gara Coal Company at mine No. 1, located three miles north of Harrisburg, Saline county, was killed instantly while working in No. 8 room on fourth east entry off of the main south entry. A piece of slate 14 feet by 16 feet and 6 inches thick fell on him. He had props and cap pieces in his room and, had he placed them properly, the accident probably would not have occurred.

June 26, 1908, Arthur Bowles, machine runner, aged 28 years, married, employed at the O'Gara Coal Company's No. 3 mine, Harrisburg, Saline county, was killed instantly while running a machine in No. 1 west entry. A quantity of loose coal fell on him. He leaves a widow and one child.

June 27, 1908, Harry McClane was found dead under a mine car in the O'Gara Coal Company's mine No. 10, Eldorado, Saline county. Deceased was employed as a driver; aged 32 years and single. The cause of the accident is not known, but it is supposed that he was in the act of unhitching his mule and that his foot slipped on the rail and he fell in front of the car; when he was found the car was on his head and shoulders; there was no one present when the accident occurred.

The tables of the fatal and non-fatal accidents follow; also the statistical tables of each county with a recapitulation for the district.

Respectfully submitted,

THOMAS LITTLE,
State Inspector Tenth District, Murphysboro.

Fatal Casualties—Tenth District—July 1, 1908.

Date.	Name.	Age.	Occupation.	Residence. (Town.)	Married.	Widows.	Children.	Single.	Persons dependent.	Cause of Accident.
1907										
July	1 Edgar Brush.....	23	Cager.....	Cambria.....				1		Ascending cage.....
	1 Antony Akla.....	21	do.....	Harrisburg.....				1		Pit car.....
	8 Stinson Hall.....	57	Miner.....	Oak Ridge.....	1	1	3		4	Falling slate.....
	20 John Spezia.....	33	do.....	Herrin.....	1	1	1		2	Falling slate.....
	29 James McFill.....	33	Driver.....	Marion.....	1	1	3		4	Pit car and rib.....
Aug.	11 Arthur Frisby.....	22	do.....	Johnston City.....	1	1	1		2	Pit car.....
	16 Tilford S. Batts.....	32	Weighman.....	do.....				1		Falling down shaft.....
Sept.	7 Denny Stamper.....	30	Mac. runner.....	Eldorado.....				1		Falling coal.....
	24 George Pushett.....	22	Driver.....	Ledford.....				1		Falling slate.....
	26 Oscar Poland.....	22	Shot firer.....	Eldorado.....				1		Suffocation blown out shot.....
	26 Molad Rutherford.....	40	do.....	do.....	1	1			1	do.....
Oct.	2 Charles Newton.....	39	Miner.....	Marion.....	1	1	4		5	Falling coal.....
	8 Wm. Moore.....	22	Driver.....	Johnston City.....				1		Pit car.....
	8 Andrew Carver.....	25	do.....	Carterville.....				1		do.....
	8 John Hobby.....	34	Machine help.....	Harrisburg.....	1	1	3		4	Falling coal.....
Nov.	1 Isadore Benevite.....	30	Driver.....	Oak Ridge.....				1		Pit car.....
Dec.	14 Noah Yarbough.....	51	Miner.....	Ledford.....				1		Falling slate.....
	19 Joseph Ellican.....	28	Cager.....	Johnston City.....				1		Pit car.....
	21 Pat Murry.....	40	Miner.....	Harrisburg.....				1		Falling slate.....
1908										
Jan.	6 Earnest May.....	23	Shot firer.....	Ledford.....				1		Shot explosion.....
	11 James Cowsart.....	27	Miner.....	Harrisburg.....	1	1	2		3	Gas explosion.....
Feb.	13 Joseph Nealon.....	50	do.....	Eldorado.....	1	1			1	do.....
	13 J. H. C. Smothers.....	37	Shot firer.....	Herrin.....	1	1	4		5	Flying coal.....
	26 Toney Wagoner.....	60	Miner.....	Carriers Mills.....				1		Falling coal.....
Mar.	19 John Means.....	24	do.....	Eldorado.....	1	1	1		2	Falling slate.....
May	19 Joseph Morris.....	40	do.....	Harrisburg.....	1	1			1	do.....
	22 William Link.....	42	do.....	Dewmaine.....	1	1	3		4	do.....
June	22 Charles Davis.....	19	Driver.....	Ledford.....				1		Pit car.....
	23 Louis Hosnak.....	23	Miner.....	Harrisburg.....				1		Falling slate.....
	26 Arthur Bowles.....	28	Mac. runner.....	do.....	1	1	1		2	Falling coal.....
	27 Harry McClane.....	32	Driver.....	Eldorado.....				1		Pit car.....
	Total—31.....				14	14	26	17	40	

Recapitulation of Fatal Accidents—Tenth District—1908.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Cambria.....	1	Cager.....	3	Cage ascending.....	1	Big Muddy C. & Iron Co....	2
Carriers Mill.....	1	Drivers.....	8	Falling coal.....	5	B. M. River C. C. Co.....	2
Cartersville.....	1	Mach. helper...	1	Falling down shaft...	1	Cartersville Mining Co.....	1
Dewmaine.....	1	Mach. runner...	2	Falling slate.....	9	Hafer Washed Coal Co.....	1
Eldorado.....	6	Miner.....	12	Flying coal.....	1	J. City & B. M. Coal Co....	1
Harrisburg.....	7	Shot firers.....	4	Gas explosion.....	2	J. City & Cart. Coal Co....	2
Herrin.....	2	Weighman.....	1	Pit cars.....	9	Madison Coal Corporation..	1
Johnston City....	4			Shot explosion.....	1	Harrisburg So. Coal Co....	3
Ledford.....	4			Suffocation blown out		O'Gara Coal Co.....	12
Marion.....	2			shot.....	2	Peabody Coal Co.....	2
Oak Ridge.....	2					Saline County Coal Co....	2
						Travelstead.....	1
						Williamson County C. Co....	1
Totals.....	31		31		31		31

Non-Fatal Casualties—Tenth District—July 1, 1908.

Date.	Name.	Age.	Residence. (Town.)	Married.	Single.	Children.	Number persons dependent.	Character of Injury and cause of Accident.	Time lost—days.
1907									
July	7 H. Wills	45	Marion	1		4	5	Arm and head injured, falling slate	60
	8 Albert Godbois	19	Eldorado	1				Leg broken, pit car	30
	8 Mack Gamblin	25	Ledford	1			1	Leg broken, falling slate	40
	9 Chas Edmondson	23	Ledford	1				Rib fractured, kicked by mule	30
	15 Harry Hindman	18	Herrin	1				Foot injured, pit car	42
	16 Mason Love	22	Herrin	1		1	2	Leg injured, falling slate	90
	18 Joseph Sentina	37	do	1		1		Finger cut off, mining machine	35
	22 John Patterson	25	Marion	1				Leg broken, mule and car	60
	27 Tom Harris	40	Carrier Mills	1		4	5	Leg broken, falling slate	90
	29 Wm. Mills	26	Equality	1		2	3	Ankle injured, falling slate	30
	30 Thos. Nelms	49	Herrin	1			1	Arm broken, falling slate	*
	31 Alex. Muir	37	do	1		3	4	Body injured, pit car	38
	31 Andrew Zimmers	23	Ledford	1			1	Foot mashed, falling under car	180
Aug.	1 Ben Bateman	32	Herrin	1				Arm, hand and face burned, gas explosion	*
	1 Edward Alderson	18	Eldorado	1				Leg broken, falling slate	90
	7 E. E. Finney	22	Harrisburg	1			1	Shoulder blade broken, car and door	60
	8 Jake Bacine	24	Johnston City	1				Leg injured, kicked by mule	30
	11 Harry Griffith	24	Herrin	1		3	4	Spine injured, descending cage	36
	12 Chas. McFadden	30	Cartersville	1		1	2	Spine injured, box and door	30
	13 Ephriam Cromwell	23	Herrin	1		1	2	Finger mashed, crank shaft and timber	61
	13 Thos. Door	37	Ledford	1		1	2	Arm burned, powder explosion	30
	13 Guy Williams	25	Herrin	1		1	2	Head and shoulder bruised, falling slate	46
	16 Jas. Elbin	36	Clifford	1		3	4	Knee injured, falling prop.	46
	20 John Wingate	20	Harrisburg	1				Foot crushed, pit car	42
	27 Chas. Mansey	21	Herrin	1		1	2	Toes broken, falling tie	30
	28 Mike Plinanotio	30	Harrisburg	1				Leg broken, falling slate	30
	28 Wm. Davis	27	do	1		1	2	Body injured, pit car	30
	31 Thos. Klors	29	Clifford	1				Finger mashed, machine truck	65
	31 Chas. Bock	32	Harrisburg	1			1	Leg broken, mining machine	40
Sept.	3 Thos. Murphy, Jr.	21	Murphysboro	1				Back injured, pit car	34
	4 Frank Seraphic	22	Johnston City	1				Toe mashed, falling slate	30
	10 John Grafton	30	Harrisburg	1				Back, shoulder and ankle injured, falling slate	42
	13 Louis Juiala	26	Johnston City	1				Leg broken, falling slate	70
	23 Samuel Gallidge	30	Eldorado	1		4	5	Leg injured, falling coal	30
	24 Wm. H. Wilson	21	Carrier Mills	1				Knee injured, falling slate	90
	26 Claude Duke	18	Harrisburg	1				Hips injured, pit car	30
	26 Samuel Dill	19	do	1				Arm injured, falling coal	30
	27 A. J. Huston	22	Herrin	1				Arms and face burned, gas explosion	53
	27 Louis Beardon	24	do	1				Head burned, gas explosion	34
	28 Wm. Gruley	30	Harrisburg	1				Head injured, flying coal	30
	28 James H. Moon	19	Herrin	1				Leg broken, pit car	90
Oct.	1 Wm. Buntion	18	do	1				Foot injured, pit car	30
	2 Jas. Holderfield	28	Marion	1				Body injured, shot explosion	30
	2 Daniel Gleason	22	Harrisburg	1				Finger broken, drill weight	60
	3 Richard Fox	40	Harrisburg	1		3	4	Ribs (2) broken, ran against wire	30
	4 Sherman Wardrop	30	do	1			1	Leg broken, falling slate	75
	5 Henry Gunster	69	Cartersville	1		1	2	Face and arms injured, fell from steps	30

Non-Fatal Casualties—Tenth District—Continued.

Date.	Name.	Residence. (Town.)	Age.	Married.	Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost—days.
1907									
Oct.	5 D. C. Howard	44 Bush	1	1	2	3	Leg broken, descending cage	30	
	5 Ross Belcher	50 do	1	1	1	2	do	30	
	5 Wm. Lewis	36 do	1	1			do	30	
	5 Joe Codla	16 do	1	1			Ankle injured, descending cage	30	
	5 August Petmel	25 do	1	1			Hip injured, descending cage	30	
	5 Pierron Goncopski	36 do	1	1	1	2	Leg broken, descending cage	30	
	8 Frank Newcomb	24 Harrisburg	1	1			Foot mashed, pit car	30	
	11 Wm. Underwood, Sr.	54 Murphysboro	1	1	1	2	Collar bone broken, falling slate	101	
	14 James Daylish	35 Johnston City	1	1	2	3	Body injured, falling slate	30	
	15 Anton Walerentch	26 Harrisburg	1	1			Leg broken, falling coal	45	
	18 Chas. Venagine	33 Murphysboro	1	1	2	3	Collar bone broken, falling slate	60	
	19 Howard Shelton	23 Mitchellsville	1	1			Jaw broken and back bruised, pit car	30	
	19 Geo. Schriener	47 Herrin	1	1	1	2	Thumb mashed, mule and cage	30	
	21 A. T. Clendeninal	33 Dewmaine	1	1			Leg broken, falling slate	120	
	23 Wm. Kanady	17 Johnston City	1	1			Foot injured, pit car	60	
Nov.	5 Joe Hornell	34 Dorrisville	1	1			Leg broken, falling slate	45	
	8 Joseph Cotoni	35 Murphysboro	1	1		1	Knee sprained, falling slate	46	
	9 Wm. Kirby	21 Herrin	1	1		1	Fingers mashed, pit car	46	
	9 Cy Little	36 Clifford	1	1	7	8	Shoulder fractured, falling coal	213	
	15 Columbus Harvey	24 Marion	1	1			Body injured, pit car	45	
	26 O. F. Berry	30 Johnston City	1	1	2	3	Leg broken, falling coal	180	
Dec.	9 M. Campbell	31 Clifford	1	1			Ankle injured, pit car	42	
	10 Stanley Sobi	35 Johnston City	1	1	1	2	Body injured, pit car	60	
	11 F. Montague	23 Marion	1	1			Rib fractured, pit car	30	
	18 Tona Gubrana	26 Johnston City	1	1			Head injured, falling slate	60	
	23 Arthur Love	18 Harrisburg	1	1			Finger cut off, pit car	60	
	27 Thomas Thorton	31 Herrin	1	1	1	2	Back sprained, motor	40	
	30 John Gentoier	30 Bush	1	1	3	4	Spine injured, falling coal	*	
1908									
Jan.	3 Ceaser Buggette	37 Murphysboro	1	1	2	3	Finger mashed, machine	32	
	3 J. V. Vickery	64 Herrin	1	1	1	2	Foot broken, falling slate	30	
	4 Ira Howe	20 Galatia	1	1			Toe cut off, pit car	40	
	13 Headley Terrell	19 Eldorado	1	1			Back sprained, pit car	60	
	15 G. M. Fowler	24 do	1	1			Leg broken, pit car	60	
	16 John Gualdania	36 Herrin	1	1			Shoulder bruised, falling slate	*	
	27 Jack Farington	24 do	1	1			Collar bone broken, pit car	62	
	29 Thos. Sumers	26 Murphysboro	1	1	2	3	Leg injured, machine	44	
	30 A. Ingram	35 Clifford	1	1	3	4	Foot bruised, machine	31	
Feb.	2 Ted Abram	30 do	1	1			Wrist broken, pit car	70	
	5 John Spiller	18 White Ash	1	1			Leg broken, tail chain	90	
	8 Wm. Pherer	19 Herrin	1	1			do	45	
	15 Roy Newton	35 Johnston City	1	1	5	6	Eyes destroyed, premature explosion	30	
	18 Wm. Boyd	27 Herrin	1	1	1	2	Hip dislocated, pit car	*	
	20 Adam Korouski	23 Eldorado	1	1			Leg broken, falling coal	120	
	20 Thos. Christian	35 Herrin	1	1	3	4	Foot mashed, falling slate	39	
	22 Herman Strauss	33 do	1	1	3	4	Leg broken, falling slate	123	
	24 George Hampton	28 Johnston City	1	1	1	2	Shoulder injured, pit car	30	
	25 Chas. Polaski	45 Harrisburg	1	1			Leg broken, falling coal	60	
	25 John Tarrant	30 Johnston City	1	1			Head injured, falling coal	30	
	27 Robt. Kemp	21 Herrin	1	1			Foot mashed, motor	32	
Mar.	2 Jas. Peleto	45 Dewmaine	1	1	2	3	Hand and face burned, shot explosion	30	
	3 Robt. McCoy	25 Eldorado	1	1			Hand broken, stepped on by mule	30	
	5 Alex. Sealer	32 Herrin	1	1	3	4	Head cut, pit car	32	
	5 Rolla Radford	27 Carterville	1	1	1	2	Hand and face burned, gas explosion	60	
	6 Wm. Thompson	20 Harrisburg	1	1			Arm broken, pit car	45	
	6 Alonzo Poindexter	24 Dewmaine	1	1			Ankle broken, pit car	90	

Non-Fatal Casualties—Tenth District—Concluded.

Date.	Name.	Age.	Residence. (Town.)	Married.	Single.	Children.	Number persons dependent.	Character of Injury and Cause of Accident.	Time lost days.
1908									
Mar. 7	James Rizis.....	35	Clifford.....	1	.....	1	1	Ribs broken, falling off car.....	61
16	C. J. Weatherford.....	56	Herrin.....	1	.....	1	1	Leg broken, falling slate.....	*
16	Chas. Snederly.....	23	do.....	1	.....	1	1	Head injured, pit car.....	30
17	Dan Words.....	18	Eldorado.....	1	.....	1	1	Ribs broken, falling slate.....	90
21	Perry Acken.....	23	Herrin.....	1	.....	1	1	Hand injured, pit car.....	30
21	Otis Smith.....	21	Harrisburg.....	1	.....	1	1	Ankle broken, pit car.....	60
27	Lewis Merdimonts.....	25	Herrin.....	1	.....	1	1	Leg injured, falling coal.....	35
27	Ben Dereghi.....	27	do.....	1	.....	1	1	Leg broken, falling coal.....	45
30	A. J. Strickland.....	55	Ledford.....	1	.....	1	1	do.....	60
May 13	Marion Wiley.....	20	Harrisburg.....	1	.....	1	1	Rib broken, pit car.....	30
29	S. Duvall.....	22	Clifford.....	1	.....	1	2	Foot broken, railroad car.....	35
June 3	Worth Nevill.....	30	Herrin.....	1	.....	1	1	Arm injured, water box and roof.....	30
27	Lewis Castill.....	35	do.....	1	.....	2	3	Hip and back injured, falling coal.....	*
	Totals.....			56	59	88	144		

*Not recovered July 1, 1908.

Total number of men injured.....	115
Not recovered July 1, 1908.....	7
Number recovered July 1, 1908.....	108
Time lost by men recovered, days.....	3,570
Average time lost by men recovered, days.....	31 57

Recapitulation of Non-Fatal Casualties, Nature of Injuries, Conjugal Relations and Time Lost—Tenth District—1908.

NATURE OF INJURIES.	Number.	Married.	Single.	Children.	Dependents.	TIME LOST—DAYS.		Percent- age of injuries.
						Total.	Average.	
Ankles broken.....	2		2			150	75.00	1.74
Ankles injured.....	3	1	2	2	3	102	34.00	2.61
Arms and face burned.....	2		2			53	53.00	1.74
Arms and head injured.....	2			5	7	90	45.00	1.74
Arms broken.....	3	1	2		1	115	57.50	2.61
Arms bruised.....	2		2			60	30.00	1.74
Arms burned.....	1	1		1		30	30.00	.87
Backs injured.....	6	4	2	8	12	200	40.00	5.22
Bodies injured.....	7	4	3	7	11	275	59.29	6.08
Collar bones broken.....	3		1	3	5	223	74.33	2.61
Eyes destroyed.....	1	1		5	6			.87
Fingers cut off.....	2		2			95	47.50	1.74
Fingers mashed.....	6	4	2	4	8	294	49.00	5.22
Foot broken.....	2			2	4	65	32.50	1.74
Foot injured.....	9	3	6	6	9	486	54.00	7.83
Hands and face burned.....	2	2		3	5	90	45.00	1.74
Hand broken.....	1		1			30	30.00	.87
Hand bruised.....	1		1			30	30.00	.87
Head and shoulders bruised.....	1	1		1	2	33	33.00	.87
Head burned.....	1		1			34	34.00	.87
Heads injured.....	5	2	3	3	5	182	36.40	4.34
Hips bruised.....	3	1	2	2	3	60	30.00	2.61
Hips dislocated.....	1	1		1	2	30	30.00	.87
Jaw broken.....	1		1			30	30.00	.87
Knee sprained.....	3	2	1	3	5	182	60.67	2.61
Legs broken.....	27	12	15	13	25	1,728	66.46	23.47
Legs bruised.....	5	3	2	7	10	229	45.80	4.34
Ribs fractured.....	6	3	3	3	6	271	45.17	5.22
Shoulder blade broken.....	2	2		7	9	273	136.50	1.74
Shoulders bruised.....	2	1	1	1	2	30	30.00	1.74
Toes broken.....	1	1		1	2	30	30.00	.87
Toes cut off.....	1		1			40	40.00	.87
Toes injured.....	1		1			30	30.00	.87
Totals and averages.....	115	56	59	88	144	5,570	51.57	100.00

Recapitulation of Non-Fatal Accidents—Tenth District—1908.

Residence.	No.	Occupation.	No.	Cause of Accident.	No.	Colliery.	No.
Bush.....	7	Cagers.....	2	Box and door.....	1	B. M. C. & I. Co.....	15
Carriers Mills.....	2	Car trimmer.....	1	Cage descending.....	7	Carterville B. M. C. Co.....	2
Carterville.....	3	Coupler.....	1	Crank, shaft, timbers.....	1	Carterville Mining Co.....	3
Clifford.....	8	Drivers.....	39	Drill weight.....	1	Chicago & B. M. C. Co.....	3
Dewmaine.....	3	Engineer.....	1	Falling coal.....	12	Chi. & Cart. Coal Co.....	20
Dorrisville.....	1	Laborers.....	2	Falling off car.....	1	Consummers Coal Co.....	1
Eldorado.....	8	Loaders.....	2	Falling from steps.....	1	Donnelly-Koeneck C. Co.....	1
Equality.....	1	Machinists.....	2	Falling prop.....	1	Hafer Coal Co.....	2
Galatia.....	1	Mach. runners.....	6	Falling slate.....	28	J. City & B. M. C. Co.....	8
Harrisburg.....	19	Miners.....	48	Falling tie.....	1	Madison Coal Co.....	4
Herrin.....	32	Motorman.....	1	Falling under car.....	1	O'Gara Coal Co.....	37
Johnston City.....	11	Shot firers.....	2	Flying coal.....	1	Peabody Coal Co.....	1
Ledford.....	6	Spraggers.....	2	Gas explosion.....	4	St. Louis-Carterville C. Co.....	1
Marion.....	5	Timberman.....	1	Machine.....	5	Saline County Coal Co.....	1
Mitchellville.....	1	Trackmen.....	2	Mach. trucks.....	1	Sunnyside Coal Co.....	6
Murphysboro.....	6	Trapper.....	1	Motor.....	2	Vandell Mining Co.....	1
White Ash.....	1	Trip rider.....	1	Mule and cage.....	1	Western Coal Mining Co.....	7
				Mule and car.....	1	Williamson County C. Co.....	2
				Mule, kicked by.....	2		
				Mule, stepped on.....	1		
				Pit cars.....	32		
				Pit car and door.....	1		
				Powder explosion.....	1		
				Railroad cars.....	1		
				Shot explosion.....	3		
				Tail chain.....	2		
				Water box and roof.....	1		
				Wire, ran against.....	1		
Totals.....	115		115		115		115

Gallatin County—Tenth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Gallatin Coal & Coke Co.....	Equality.....	3,676	21,017	27,851	52,544
LOCAL MINES.						
1	J. E. Dempsey.....	Equality.....	1,725	7,287	2,459	11,462
2	Josh. Anderson.....	do.....	4,000			4,000
3	W. H. McClain.....	do.....		3,510	159	3,669
4	J. A. Baldwin.....	do.....		1,689	200	1,889
5	R. J. Mitchell.....	Junction.....		480	240	720
6	Wm. Strong.....	do.....	490		280	680
7	A. J. Hewitt.....	do.....		240	100	340
8	Marion Brinkly.....	Gibson.....		24	12	36
Totals.....			6,125	13,221	3,432	22,778
Totals—9 mines.....			9,891	34,238	31,283	75,322

Mines reported for 1907, 10.

New mines, 1.

Abandoned mines, 2.

Mines in 1908 9.

Gallatin County—Tenth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYEES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employécs.	Total.		Killed.	Injured.				
\$47,289	43,089	9,455	176	71	10	81	52,544	.....	.....	214	Solid...	.....	1
\$15,932	11,462	200	7	.....	7	11,462	.....	.....	498	.....	.....	1
5,000	4,000	200	7	.....	7	4,000	.....	.....	150	.....	.....	2
15,490	3,660	260	5	.....	5	3,660	.....	.....	60	.....	.....	3
1,820	1,880	170	3	.....	3	1,880	.....	.....	48	.....	.....	4
1,080	720	150	3	.....	3	720	.....	.....	45	.....	.....	5
1,020	680	100	3	.....	3	680	.....	.....	40	.....	.....	6
510	340	50	1	.....	1	340	.....	.....	8	.....	.....	7
44	36	15	1	.....	1	36	.....	.....	3	.....	.....	8
\$40,396	22,778	143	30	.....	30	22,778	.....	.....	852	.....	.....
\$88,185	43,089	32,233	....	101	10	111	75,322	.....	1	1,066	.....	.....

Jackson County—Tenth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Muddy Valley Mining & Mfg. Co., No. 1.	Hallidayboro...	60,945	6,415	127,583	194,943
2	Big Muddy Coal & Iron Co., Harrison...	Murphysboro...	9,693	49,246	50,237	109,176
3	Big Muddy Coal & Iron Co., No. 6.....	do.....	15,925	22,915	32,549	71,389
4	Big Muddy Coal & Iron Co., No. 9.....	do.....	26,212	16,513	16,035	58,760
5	Chicago-Carbondale Coal Co.....	De Sota.....		18,000	28,000	46,000
6	Gus Blair & Big Muddy Coal Co., No. 1.	Murphysboro...	3,998	23,416	11,708	39,122
7	Gartside Coal Co., No. 4.....	do.....		23,202	15,877	39,079
8	Gartside Coal Co., No. 3.....	do.....		17,025	14,954	31,979
9	Schmidtgall Coal Co., No. 1.....	do.....		7,170	6,678	13,848
10	Gus Blair Coal Co., No. 2.....	do.....	310	4,336	2,896	7,542
11	Peacock Coal Co., No. 1.....	DeSota.....	1,000	2,000	1,400	4,400
Totals.....			118,083	190,238	307,917	616,238
LOCAL MINES.						
1	N. L. Church.....	Ava.....	2,080			2,080
2	J. B. Woods.....	Carbondale.....	4,000			4,000
3	D. Dawson.....	Campbell Hill.....	3,500			3,500
4	E. Spansler.....	Carbondale.....		1,500	1,000	2,050
5	J. B. Schimpf.....	Vergennes.....	2,145			2,145
6	H. S. Phillips.....	Carbondale.....		1,500	1,000	2,500
7	T. A. Nisbet.....	Ava.....	2,371			2,371
8	W. R. Campbell.....	Vergennes.....	89	280	27	396
9	James L. Brush.....	Carbondale.....	200	200		400
10	John Herman.....	Oraville.....	200	200		400
11	G. H. Luches.....	Campbell Hill.....	200	160		360
12	Wm. Wickison.....	DeSota.....	200			200
Totals.....			14,985	3,840	2,027	20,852
Totals—23 mines.....			133,068	194,078	309,944	637,090

Mines reported for 1907, 18.

New mines, 5.

Mines in 1903, 23.

Jackson County—Tenth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employees.	Total.		Killed.	Injured.				
\$194,943	121,987	72,956	172	140	130	270	194,943	.....	.....	5,940	Solid...	Pneu.	1
147,754	97,580	11,596	156	132	81	213	1,116	.....	2	764	U. C.	do..	2
93,394	61,049	10,340	119	120	106	226	11,973	.....	4	829	do..	do..	3
78,722	44,006	14,754	151	35	49	84	13,125	.....	.....	520	do..	do..	4
46,000	41,000	5,000	72	40	25	65	6,000	.....	.....	900	do..	do..	5
48,902	35,757	3,365	150	38	24	62	.....	.....	.....	262	do..	do..	6
50,875	33,374	5,705	151	40	31	71	7,292	.....	.....	406	do..	do..	7
41,380	19,143	12,836	152	40	29	69	3,215	.....	.....	298	do..	do..	8
16,617	2,175	11,673	194	20	8	28	.....	.....	.....	123	do..	do..	9
9,425	3,892	3,650	170	8	6	14	.....	.....	.....	72	do..	do..	10
5,000	800	3,600	58	4	8	12	4,400	.....	.....	50	do..	do..	11
\$733,012	460,763	155,475	150	617	497	1,114	242,064	.....	6	10,164			
\$2,590		2,080			7	7	2,080			58			1
5,000		4,000			6	6	4,000			109		W.	2
4,375		3,500			4	4	3,500			80			3
1,670		2,500		5	1	6	2,500			75		W.	4
3,217		2,145		4	1	5	2,145			83			5
2,500		2,500		3	1	4	2,500			100			6
2,963		2,371		4		4	2,371			90			7
558		396		2	1	3	396			35			8
640		400		3	3	6	400			25			9
500		400		2			400			12		W.	10
470		360		2			360			11			11
400		200		2		2	200			7			12
\$24,883		20,852		27	24	51	20,852			676			
\$757,895	460,763	176,327	....	644	521	1,165	262,916	.....	.....	10,840			

Johnson County—Tenth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	J. W. Tyler.....	New Burnside.....		1,486	20	1,506
2	Edward White.....	do.....		1,350	40	1,390
	Totals.....	.....		2,836	60	2,896

Mines reported for 1907, 2.
Mines in 1908, 2.

Johnson County—Tenth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employés.	Total.		Killed.	Injured.				
\$2,259		1,506	148	4		4	1,506 .....	.....	.....	35	.....	.....	1
2,085		1,390	130	4		4	1,390 .....	.....	.....	30	.....	.....	2
\$4,344		2,896	139	8		8	2,896 .....	.....	.....	65	.....	.....

Saline County—Tenth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	O'Gara Coal Co., No. 9.....	Harrisburg.....	78,543	141,498	57,368	277,409
2	O'Gara Coal Co., No. 3.....	do.....	963	185,163	57,107	243,233
3	O'Gara Coal Co., No. 1.....	do.....	3,282	135,557	76,762	215,601
4	O'Gara Coal Co., No. 4.....	do.....	11,880	124,128	57,656	193,664
5	O'Gara Coal Co., No. 10.....	Eldorado.....	61,518	60,948	39,317	161,783
6	O'Gara Coal Co., No. 7.....	Carrier Mills.....	57,994	73,957	29,747	161,698
7	O'Gara Coal Co., No. 14.....	Ledford.....	446	56,405	90,472	147,323
8	Saline County Coal Co., No. 1.....	Harrisburg.....	45,790	63,469	31,707	140,966
9	O'Gara Coal Co., No. 8.....	Eldorado.....	41,982	44,417	39,279	125,678
10	O'Gara Coal Co., No. 12.....	Harrisburg.....	106	69,831	54,118	124,055
11	O'Gara Coal Co., No. 2.....	do.....	11,062	77,769	30,785	119,616
12	O'Gara Coal Co., No. 5.....	Ledford.....	3,793	53,168	55,860	112,821
13	Wasson Coal Co., No. 1.....	Harrisburg.....	25,760	27,212	59,318	112,290
14	Saline County Co., No. 2.....	do.....	11,603	57,912	26,767	96,282
15	O'Gara Coal Co., No. 6.....	do.....	9,989	53,294	27,294	91,577
16	O'Gara Coal Co., No. 11.....	Eldorado.....	13,584	32,623	15,458	61,665
17	Galatia Coal Co.....	Galatia.....	4,577	3,808	4,888	13,273
18	Eldorado Coal & Mining Co., No. 1.....	Eldorado.....	4,000	1,800	2,200	8,000
19	Davenport Mining Co.....	Carrier Mills.....	231			231
20	Harrisburg Southern Coal Co., No. 1.....	Grayson.....	6,000	23,222	29,215	58,437
Totals.....			393,103	1,286,181	786,318	2,465,602
LOCAL MINES.						
1	G. A. Ingram.....	Harrisburg.....	2,700	1,000	6,300	10,000
2	William Travelstead.....	Stone Fort.....	1,200	1,000	200	2,400
3	Sheet Scapel.....	do.....	1,200	1,000	175	2,375
4	John Yates.....	Cottage Grove..	250	500	350	1,100
5	James Yates.....	do.....	200	500	300	1,000
6	S. J. Moore.....	do.....		200		200
Totals.....			5,550	4,200	7,325	17,075
Totals—26 mines.....			398,653	1,290,381	793,643	2,482,677

Mines reported for 1907, 24.

New mines, 4.

Abandoned mines, 2.

Mines in 1908, 26.

Saline County—Tenth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$ 25,244	273,070	4,339	223	204	104	308		2	17	3,079	U. C.	Pneu.	1
218,910	205,898	37,335	237	155	87	242	2,140		1	2,199	do.	do.	2
194,042	213,170	2,431	209	168	80	248	215,601	1	1	1,054	do.	do.	3
174,300	181,052	12,612	178	172	92	264		2	3	1,618	do.	do.	4
147,223	152,554	9,229	224	122	71	193		1	1	1,698	do.	do.	5
147,145	157,542	4,156	226	137	84	221			1	1,989	do.	do.	6
134,064	144,258	3,065	226	173	95	268	147,323	2	4	7,085	Solid	do.	7
135,222	138,984	1,988	246	150	77	227	56,901	1		428	Both	do.	8
114,367	121,966	3,712	226	120	66	186		1	2	2,076	U. C.	do.	9
112,890	120,643	3,412	231	115	59	174	124,055		1	5,443	Solid	do.	10
108,885	116,279	3,337	226	127	66	193	16,388		2	2,959	Both	do.	11
102,668	110,872	1,949	212	113	62	175	112,821			4,834	Solid	do.	12
107,691	110,586	1,704	246	89	39	118	112,290			6,242	do.	do.	13
92,430	93,975	2,307	233	70	39	109	534	1	1	1,309	U. C.	do.	14
83,335	89,226	2,351	206	88	46	134	91,577		1	3,280	Solid	do.	15
56,116	59,857	1,808	116	81	54	135		1	3	1,583	U. C.	do.	16
10,900	9,273	4,000	118	58	45	113	13,273			675	Solid	do.	17
8,000	4,500	3,500	213	15	14	29	1,000			209	Both	do.	18
231	190	41	41	20	13	33	231			12	Solid	do.	19
59,000	56,357	2,080	240	40	17	57	45,037	3		1,400	Both	do.	20
<u>\$2,032,663</u>	<u>2,360,252</u>	<u>105,350</u>	<u>204</u>	<u>2,217</u>	<u>1,210</u>	<u>3,427</u>	<u>939,171</u>	<u>17</u>	<u>38</u>	<u>49,054</u>			
\$16,500	10,000	200	8	8	10,000	50							1
2,880	2,400	105	4	4	2,400	60							2
2,850	2,375	160	4	4	2,375	60							3
1,650	1,100	150	3	3	1,100	20							4
1,500	1,000	125	2	2	1,000	15							5
250	200	75	2	2	200	2							6
<u>\$25,630</u>	<u>17,075</u>	<u>136</u>	<u>23</u>	<u>23</u>	<u>17,075</u>	<u>207</u>							
<u>\$2,058,293</u>	<u>2,360,252</u>	<u>122,425</u>	<u>2,217</u>	<u>1,210</u>	<u>3,427</u>	<u>956,246</u>	<u>17</u>	<u>38</u>	<u>49,261</u>				

Williamson County—Tenth District—1908.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
SHIPPING MINES.						
1	Big Muddy Coal & Iron Co., No. 8	Clifford	229,627	48,562	135,520	413,709
2	Big Muddy Coal & Iron Co., No. 7	Herrin	173,915	50,638	187,942	412,495
3	Chicago & Cartersville, A.	do.	14,072	139,353	255,722	409,147
4	Sunnyside Coal Co., No. 1	do.	39	177,311	220,175	397,525
5	Peabody Coal Co., No. 3	Marion		59,517	292,958	352,475
6	Johnson City Coal Co., No. 1	Johnston City	167,971	33,832	125,026	326,829
7	Chicago & Big Muddy Coal & Coke Co.	Marion	14,979	48,702	187,177	250,858
8	Cartersville District Coal Co.	do.	26,000	46,500	178,000	250,500
9	Western Coal & Mining Co., No. 1	Bush	140,479	31,366	66,774	238,619
10	Cartersville Coal Co., Burr C.	Cartersville	17,040	35,250	164,844	217,134
11	Madison Coal Corporation, No. 8	Dewmaine	15,688	65,823	132,315	213,826
12	St. Louis-Cartersville Coal Co.	Herrin	148,107	18,019	26,584	192,710
13	Peabody Coal Co., No. 2	Marion	46	22,069	115,115	137,230
14	Cartersville & Big Muddy, John	Cambria	9,336	42,204	59,807	111,347
15	Williamson County Coal Co.	Johnston City	15,594	19,756	74,609	109,959
16	Hafer Washed Coal Co., No. 3	Cartersville		18,215	89,083	107,298
17	Consumers Coal & Mining Co., No. 2	Johnston City	59,056	8,267	33,842	101,165
18	Donaly & Koennecke Coal Co.	Cartersville	17,268	19,215	63,234	99,717
19	Chicago & Cartersville Coal Co., B.	Herrin	1,934	48,282	48,481	98,697
20	Madison Coal Corporation, No. 9	Cambria	45,851	21,669	28,481	96,001
21	Consumers Coal Co., No. 1	Johnston City	47,250	8,359	32,833	88,442
22	Chicago-Herrin Coal Co., No. 1	Herrin	8,255	23,249	53,967	85,471
23	Cartersville Mining Co., No. 2	Cartersville	2,089	13,063	57,166	72,318
24	Robert Dick Coal Co., Dick	Cambria	69,152			69,152
25	Cartersville Mining Co., No. 1	Cartersville	4,777	9,663	50,973	65,413
26	Cartersville & Herrin Coal Co., No. 1	Herrin	13,549	11,524	37,990	63,063
27	Cartersville Mining Co., No. 3	Cambria	922	21,079	34,301	56,302
28	Watson Coal Co., No. 2	Herrin	20,000	8,000	23,100	51,100
29	Watson Coal Co., No. 1	do.	10,000	5,000	28,250	43,250
30	West Virginia Coal Co.	Marion	17,000	3,812	16,250	37,062
31	Colp Coal Co., Culp	do.	10,000			10,000
32	Seranton & Big Muddy Coal Co., No. 1	do.	5,412	623	2,653	8,688
33	Johnston City & St. Louis Coal Co., No. 1	Johnston City	2,505	1,030	2,011	5,546
34	Keystone-Big Muddy Coal Co.	Marion	2,144	483	2,031	4,658
35	Big Muddy River Consolidated Coal Co., Oak Ridge	Johnston City	62,794			62,794
36	Big Muddy River Consolidated Coal Co., Hemlock	Herrin	54,865			54,865
Totals			1,427,716	1,060,435	2,827,214	5,315,365

Williamson County—Tenth District—Continued.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$416,389	391,819	21,890	243	231	96	327			8	6,433	U. C.	Pneu.	1
414,017	388,991	23,504	230	228	134	362	412,495	2	1	14,329	Solid.	do.	2
412,054	393,729	45,418	233	250	158	408	24,845		15	7,318	Both.	do.	3
401,525	374,168	23,857	219	257	114	371	287,712		6	12,033	do.	do.	4
352,475	343,475	9,000	219	250	104	354	349,172		1	12,307	do.	do.	5
294,853	323,829	3,000	240	225	81	306	326,829	2	5	11,400	Solid.	do.	6
248,612	244,122	6,736	208	182	82	264	250,858		3	9,702	do.	do.	7
212,925	243,200	7,300	215	135	54	189				3,050	do.	do.	8
203,018	223,129	15,490	237	160	111	271	238,619		7	11,060	do.	do.	9
195,420	210,632	6,502	178	157	100	257	217,134			7,659	do.	do.	10
223,826	181,708	32,118	144	230	120	350	211,326	1	3	7,392	Both.	do.	11
173,489	189,451	3,259	214	162	63	225	192,710		1	7,300	Solid.	do.	12
137,230	130,795	6,435	165	129	71	200	105,309	2		4,139	Both.	do.	13
124,708	104,132	7,215	168	115	65	180	111,347		2	4,232	Solid.	do.	14
109,959	107,540	2,419	188	112	55	167	109,959	1	2	4,298	do.	do.	15
85,838	104,674	2,624	115	90	44	134	107,298	1	2	4,371	do.	do.	16
101,165	97,165	4,000	112	110	65	175	33,720			2,154	Both.	do.	17
99,717	91,671	8,046	171	90	46	136	99,717		1	3,931	Solid.	do.	18
98,697	94,989	3,708	227	94	47	141	98,697		5	4,263	do.	do.	19
96,001	93,315	2,686	149	110	30	140	96,001		1	3,870	do.	do.	20
88,442	84,442	4,000	115	100	54	154	88,442		1	3,760	do.	do.	21
85,471	75,553	9,918	114	102	47	149	85,471			2,844	do.	do.	22
72,318	68,527	3,791	139	62	28	90	72,318			3,208	Solid.	do.	23
80,000	67,452	1,700	124	85	36	121	69,152			2,695	do.	do.	24
65,413	64,036	1,377	130	61	34	95	65,413	1	3	2,498	do.	do.	25
63,063	60,769	2,294	153	77	21	98	63,063			2,777	do.	do.	26
56,302	52,038	4,264	173	52	36	88	56,302	1		2,159	do.	do.	27
43,735	50,200	900	135	52	13	65	51,100			3,420	do.	do.	28
36,762	39,000	4,250	120	40	16	56	43,250			3,000	do.	do.	29
33,355	37,062		175	60	12	72				540	U. C.	do.	30
9,000	8,700	1,300	70	25	7	32	10,000				do.	do.	31
7,359	7,531	1,157	157	31	24	55	405			156	do.	do.	32
5,546	1,505	4,041	182	8	6	14	5,546	1	3	220	do.	do.	33
4,658	4,375	283	98	7	10	17				75	do.	do.	34
62,000	62,794		250	95	13	108		2		4,500	do.	do.	35
50,000	54,865		268	85	20	105	54,865			4,000	do.	do.	36
<u>\$5,165,292</u>	<u>5,041,383</u>	<u>273,982</u>	<u>174</u>	<u>4,259</u>	<u>2,017</u>	<u>6,276</u>	<u>3,939,075</u>	<u>14</u>	<u>70</u>	<u>176,953</u>			

Williamson County—Tenth District—Concluded.

Number.	NAME OF OPERATOR.	Postoffice address of the mines.	OUTPUT OF MINES IN TONS.			
			Mine run.	Lump.	Other grades.	Total.
LOCAL MINES.						
1	George Beltz.....	Cartersville.....	25,000	500	750	26,250
2	J. S. McNeil.....	do.....	4,000	3,000	1,000	8,000
3	Rinkly & Miles.....	Marion.....	4,500			4,500
4	Price & McCawn.....	do.....	500	1,000	1,000	2,500
5	John A. Young.....	Cartersville.....		2,314		2,314
6	L. A. Woodbridge.....	Marion.....	400	1,000	600	2,000
7	Spiller & Whitcotton.....	Cartersville.....	19	1,300	662	1,981
8	E. E. Ensminger.....	Crab Orchard.....	320	1,080	200	1,600
9	J. W. Engram.....	Marion.....	468	624	156	1,248
10	Thos. McKenzie.....	Crab Orchard.....		760	80	840
11	George A. Phillips.....	Cambria.....		533	9	542
Totals.....			35,207	12,111	4,457	51,775
Totals—47 mines.....			1,462,923	1,072,546	2,831,671	5,367,140

Mines reported for 1907, 46.

New mines, 7.

Abandoned mines, 6.

Mines in 1908, 47.

Williamson County—Tenth District—Concluded.

Aggregate value of total product.	DISPOSITION OF OUTPUT.		Days of active operation.	EMPLOYES.			Tons mined by hand.	ACCIDENTS.		Powder used for blasting coal.	Blasting coal—From solid or undercut or both.	Signals—Bells, electric, wire, pneumatic.	Number.
	Tons loaded on cars for shipment.	Other purposes.		Average number of miners.	All other employes.	Total.		Killed.	Injured.				
\$26,250	26,250	200	3	2	5	26,250	.....	.....	100	.....	.....	1
6,000	6,000	275	3	2	10	6,000	.....	.....	150	.....	.....	2
5,625	4,500	175	3	.....	3	4,500	.....	.....	75	.....	.....	3
3,125	2,500	170	3	.....	3	2,500	.....	.....	50	.....	.....	4
3,471	2,314	175	4	.....	4	2,314	.....	.....	125	.....	.....	5
2,500	2,000	200	4	.....	4	2,000	.....	.....	136	.....	.....	6
1,683	1,981	200	5	.....	5	1,981	.....	.....	46	.....	.....	7
1,600	1,600	120	5	.....	5	1,600	.....	.....	65	.....	.....	8
1,268	1,248	150	9	.....	9	1,248	.....	.....	100	.....	.....	9
840	840	85	3	.....	3	840	.....	.....	40	.....	.....	10
813	542	150	2	.....	2	542	.....	.....	16	.....	.....	11
<u>\$53,175</u>	<u>.....</u>	<u>51,775</u>	<u>173</u>	<u>49</u>	<u>4</u>	<u>53</u>	<u>51,775</u>	<u>.....</u>	<u>.....</u>	<u>903</u>	<u>.....</u>	<u>.....</u>	
5,218,467	5,041,383	325,757	.....	4,308	2,021	6,329	3,990,850	14	70	177,856	.....	.....

Shipping Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Gallatin.....	1	3,676	21,017	.....	17,516	8,757	1,578	52,544	\$0.90
Jackson.....	11	118,083	190,238	66,917	86,736	113,497	40,767	616,238	1.19
Saline.....	20	393,103	1,286,181	33,271	83,983	662,166	6,898	2,465,602	0.824
Williamson.....	36	1,427,716	1,060,435	526,548	1,062,193	839,122	399,351	5,315,365	0.97
Total.....	68	1,942,578	2,557,871	626,736	1,250,428	1,623,542	448,594	8,449,749	\$0.943

Local Mines—Recapitulation by

COUNTIES.	Number of mines.	PRODUCTION OF DIFFERENT GRADES IN TONS.						Total.	Average value per ton—all grades.
		Mine run.	Lump.	Egg.	Nut.	Pea.	Slack.		
Gallatin.....	8	6,125	13,221	.....	3,232	.....	200	22,778	\$1.795
Jackson.....	12	14,985	3,840	.....	2,027	.....	.....	20,852	1.19
Johnson.....	2	.....	2,836	.....	60	.....	.....	2,896	1.50
Saline.....	6	5,550	4,200	.....	7,025	.....	300	17,075	1.50
Williamson.....	11	35,207	12,111	750	2,695	.....	1,012	51,775	1.03
Total.....	39	61,867	36,208	750	15,039	.....	1,512	115,376	\$1.39
Grand total.....	107	2,004,445	2,594,079	627,486	1,265,467	1,623,542	450,106	8,565,125	.....

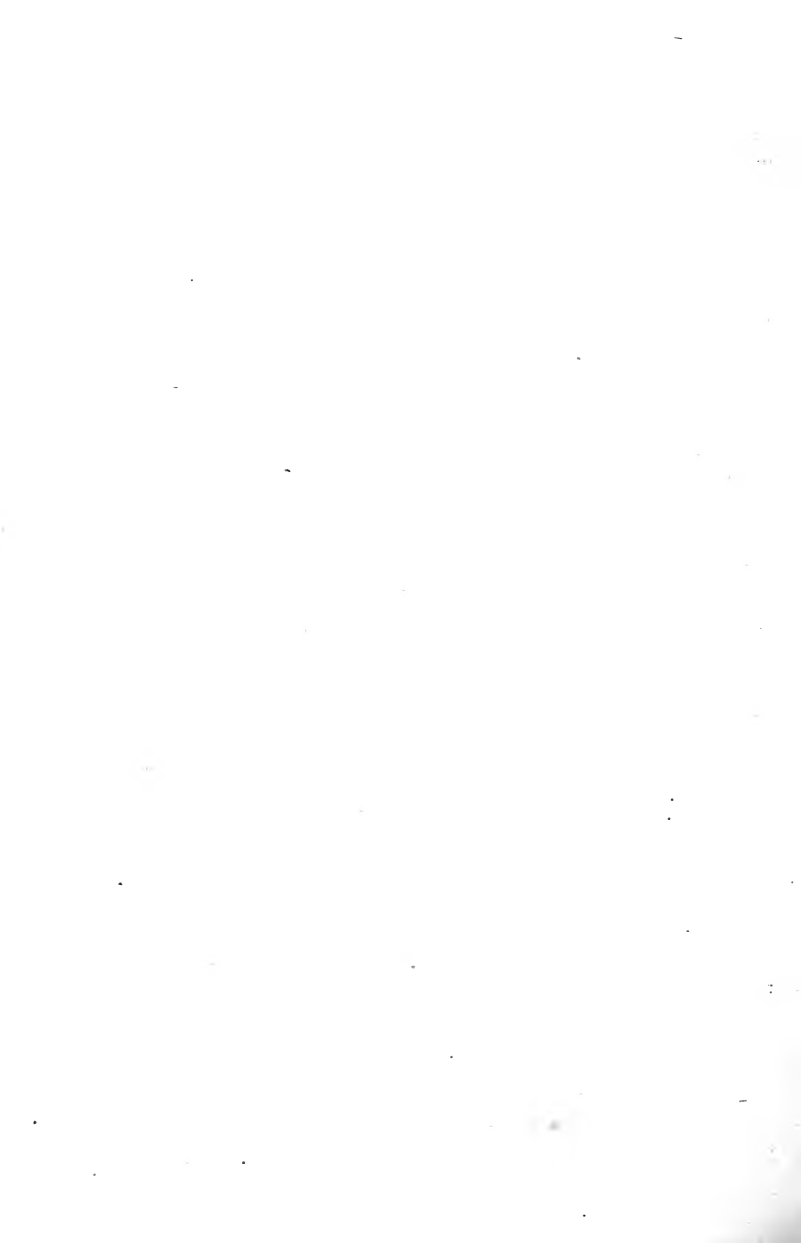
Whole number of mines reported for 1907, 100.
 Number of new mines opened during the year, 17.
 Number of mines abandoned during the year, 10.
 Whole number of mines reported for 1903, 107.

Counties—Tenth District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.						Tons mined—By hand.	Powder.—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.	From solid—Tons.			Undercut—Tons.	Both methods—Tons.	
			Miners.	Others.	Boys.								
43,089	9,455	176	71	.....	....	10	81	52,544	214	52,544	.....	.....
460,763	155,475	150	617	282	44	171	1,114	242,064	10,164	194,943	421,295	.....
2,360,252	105,350	204	2,217	889	35	286	3,427	939,171	49,054	601,507	1,537,076	327,019	
5,041,383	273,982	174	4,259	1,211	159	647	6,276	3,939,075	176,953	3,106,648	597,322	1,611,395	
7,905,487	544,262	179	7,164	2,382	238	1,114	10,898	5,172,854	236,385	3,955,642	2,555,693	1,938,414	

Counties—Tenth District—1908.

DISPOSITION OF OUTPUT—TONS.		Days of active operation.	EMPLOYES.					Tons mined—By hand.	Powder—Blasting coal.	BLASTING COAL.		
Loaded on cars for shipment.	Other purposes.		UNDERGROUND.			All above ground.	Total.			From solid—Tons.	Undercut—Tons.	Both methods—Tons.
			Miners.	Others.	Boys.							
.....	22,778	135	30	.....	.....	.....	30	22,778	852	22,778	.....	.....
.....	20,852	....	27	12	....	12	31	20,852	676	20,852	.....	.....
.....	2,896	139	8	.....	.....	.....	8	2,896	65	2,896	.....	.....
.....	17,075	136	23	.....	.....	.....	23	17,075	207	17,075	.....	.....
.....	51,775	173	49	2	....	2	53	51,775	903	51,775	.....	.....
.....	115,376	151	137	14	....	14	165	115,376	2,703	115,376	.....	.....
7,905,487	659,638	....	7,301	2,396	238	1,128	11,063	5,288,230	239,088	4,071,018	2,555,693	1,938,414



MINE MANAGERS HOLDING CERTIFICATES OF COMPETENCY.

NOTE—This list includes all the mine managers to whom certificates have been issued prior to January 1, 1908.

The names which are printed in *italic* are those who hold both certificates of service and subsequent certificates of competency acquired through examination.

The names which are followed by the abbreviation "ex." are those who have exchanged certificates of service for those of competency, without examination, under the provisions of the amendment of 1895. Names followed by the letter "d" are deceased.

The postoffice addresses here given, and in all the lists following, are those recorded at the time the certificates were issued, and in many cases are not the present addresses of the certificate holders.

Name.	Postoffice.	Name.	Postoffice.
<i>Adams, Charles L.</i>	Rosboro	Baker, Charles	Centralia
Adams, J. M.	Wanlock	Baker, Gustav	Streator
Adams, Horace L.	Staunton	<i>Baker, Samuel G.</i>	Auburn
Ainsworth, Samuel (d)	Taylorville	Back, Thomas	Mapleton
Ainsworth, Samuel, Jr.	Taylorville	Bailey, William	Athens
Ainsworth, Thomas	Taylorville	Bailey, Joseph	Duquoin
Aitken, James	Streator	Baird, J. D.	Westville
Alexander, J.	Collinsville	Ball, Edward	Bartonville
Allen, Fred	Staunton	Barlow, Henry	Coffeen
Allen, David T.	LaSalle	Barlow, John W.	Johnson City
<i>Amberger, Joseph.</i>	Glen Carbon	Barnes, James	Braidwood
Amerson, Wm. A.	Moweaqua	Barnett, Oliver	Bryant
Anderson, Alexander	Danville	Baratt, John C.	Duquoin
Anderson, W. C.	Elmwood	Barron, James, ex.	Cantrall
Anderson, George	Streator		
Anderson, James	Ladd	Bambrough, G. N.	Springfield
Anderson, James C.	Streator	Barrowman, William T.	DeSoto
Anderson, John M.	Streator	Bartlett, Thomas, ex.	Cuba
Anderson, James	Kewanee	<i>Bashong, Andrew.</i>	Danville
<i>Andreas, Aug.</i>	Belleville	<i>Barwell, John.</i>	Marrissa
<i>Angel, Hiram.</i>	Belleville	Basso, Joseph	Athens
Angell, Charles	Belleville	<i>Bates, W. H.</i>	Winchester
Apblett, William R.	Springfield	Bates, R. D.	Winchester
Appleby, John E.	Peoria	Bauder, Fred.	Herrin
Argyle, Joseph	Coal City	Baumer, Fred.	Marquette
Atkinson, Edward	Streator	Bauer, Valentine	Clyde
<i>Atkinson, E. Lee.</i>	Streator	Baxter, William (d)	Ladd
Atkinson, J. G.	Pekin	Baywill, George	Johnston City
Atkinson, William (d)	Murphysboro	Beaghan, Peter	Cantrall
Atkinson, William	Braceville	<i>Beattie, Richard.</i>	Murphysboro
Armstrong, Thomas J.	Spring Valley	Beattie, John	Danville
Armstrong, William C.	Marion	Beatty, James	Mascoutah
Archer, John	Barclay	Beatty, James H.	Mascoutah
Ash, T. G.	Girard	Beatty, Nephi.	Mascoutah
Aston, Huber, ex.	Fairmount	Becker, Henry	Peoria
Archibald, David	Freeburg	Becker, Peter	Petersburg
Avery, William	Belleville	Becker, F. W.	Pinckneyville
Ax, John	Edwardsville	Becker, Charles	Staunton
<i>Axford, Thomas.</i>	Petersburg	Beckman, Theodore	Glen Carbon

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Beese, John	O'Fallon	Bundy, John	Streator
Beese, Charles A.	Belleville	Burdett, J. P.	Colchester
Beese, John	Birkner	Burris, William S.	Gillespie
Beggs, David W.	Marquette	<i>Bushong, Frank O.</i>	Catlin
Beharrelle, Fred	Orchard Mines	Butzke, Frank	Springfield
Bell, Richard	Gillespie	Burke, George, ex.	Peru
Bell, William	Streator	Barkhardt, John B.	Mt. Olive
Belger, John	Nilwood		
Beltz, Andrew	Harrisburg		
Bengston, John A., ex.	Galva	Cadmus, George T.	Lebanon
Bennett, James	Odin	Callear, Isaac	Pottstown
Bennett, John (d)	Centralia	Cameron, David J.	Pana
Berkstresser, W. A.	Duquoin	Cameron, D. S., ex.	Sorento
Berry, Jessair	Greenview	Campbell, William	Sandoval
Betts, Joseph E.	Belleville	Campbell, Edward	Greenview
<i>Betts, Charles C.</i>	Duquoin	Campbell, Frank J.	Athens
Bevard, John J.	Kimnundy	Campbell, Thomas N. (d)	Pinckneyville
Bevard, F. C.	Carterville	Campbell, H. J.	Assumption
Benyon, J. G.	Belleville	Campbell, R. W.	Decatur
Beveridge, David	Sorento	Campbell, William A.	Seatonville
Beggs, Samuel, ex.	Clark City	Canfield, R. A.	Madisonville, Ky.
Beyer, Curt	Mt. Olive	<i>Cannon, John</i>	Marquette
Biggins, James	Sorento	Carlidwell, Elliott	Zeigler
Bingham, Robert	O'Fallon	Carraher, Thomas	O'Fallon
Bird, George	Coffeen	Carroll, A. W.	Gillespie
Birtin, Henry	Pana	Carlson, Andrew	Colfax
Birtley, William P.	Springfield	Carson, J. H.	O'Fallon
Blair, Gus	Murphysboro	Carson, Charles W.	Wolcott
Blair, Herbert	Divernon	Carter, Charles	Birkner
Blankenship, William F.	East Peoria	Carter, George	Birkner
<i>Blenkinsopp, Thomas N.</i>	Cable	Cartledge, Oscar	Gillespie
Bolt, Martin	Springfield	Carroll, John (d)	O'Fallon
Bobell, Louis	Mt. Pulaski	Caarlyon, J.	Oglesby
Boetticher, F. J.	Braidwood	<i>Casey, James F.</i>	Selbytown
Borrowman, George S.	Clifford	Cashen, W. P.	Williamsville
Boston, G. W.	Athens	Catheart, Matthew, ex.	Tilden
Boston, James	Murphysboro	Center, George H.	Halidayboro
Boston, John W.	Duquoin	Chalderton, John	Lanz Station
Bottomly, Edward	Tallula	<i>Chambers, William</i>	Spaulding
Bottomly, John	Oglesby	Chambers, George W.	Nokomis
Bowen, M. I.	Oglesby	Champe, William	Coffeen
Bowers, Robert	Staunton	Charnock, James	Decatur
Bowie, James	Wenona	<i>Charlton, George R.</i>	Greenview
Bowie, George	Braidwood	Cherry, John T.	Seatonville
Bowie, Robert	Johnston City	Cherry, James	Seatonville
Boyer, Ja. A.	Braidwood	Cherry, W. S.	Streator
<i>Bracken, James A.</i>	Fairmount	Chere, George	Pleasant Plains
Bradenberger, F.	Greenview	Checklin, David	Reed City
Breeze, John A.	Belleville	<i>Chambers, William</i>	Spaulding
Brennan, John I.	Taylorville	Chambers, George W.	Nokomis
Brennan, Patrick	Virdeen	Champe, William	Coffeen
<i>Brennan, George</i>	Toluca	Chivers, Joseph	Braceville
Brenanmen, William	Belleville	<i>Connolly, Terrance J.</i>	Assumption
Breen, John P.	Springfield	<i>Christie, David</i>	Murphysboro
Brinley, William R.	Springfield	Church, Henry M.	Marissa
Brockhouse, Samuel	Westville	Churchill, William E.	Virdeen
Brigham, William	Caseyville	Clark, Martin	Collinsville
Brooks, Peter (d)	Marissa	<i>Clark, Edward</i>	Decatur
Browitt, Andrew	Taylorville	Clark, Quinton	Decatur
Browitt, Benjamin	Bush	Clark, Thomas	Braidwood
<i>Brown, Andrew</i>	Braidwood	Clark, John	Decatur
Brown, John	Staunton	Clark, Walter J.	Collinsville
Brown, John	Glen Carbon	Claunch, Marion	Harrisburg
Brown, John K.	Braidwood	Clayton, Frank	Troy
Brown, Thomas Manhall	Pinckneyville	Clelland, Robert	Braidwood
Brown, William J.	Coal City	Clifford, Michael J.	Kewanee
Brown, William F.	Pontiac	Coar, Firman	Worden
Brown, James B.	Murphysboro	Coleman, Mont. S.	Virdeen
Brown, F. M.	Farmington	<i>Collier, Frank J.</i>	Bartonville
Brown, Leslie	Peoria	Collins, Richard J., ex.	O'Fallon
Browning, J. M.	Duquoin	Combs, James W.	Kewanee
Brueckner, Emil	Staunton	<i>Comford, L.</i>	Cantrall
Bruggeman, George	Belleville	Condie, Malcomb	Spring Valley
Bulmer, John, ex.	St. John	Conity, Patrick	Duquoin
Bulmer, Benjamin	Muddy Valley	<i>Cooper, Charles</i>	Nilwood

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Cook, Robinson	Riverton	Devlin, Henry	Toluca
Cook, William	Peoria	Devlin, Thomas H.	Spring Valley
Cook, William	Duquoin	Devlin, Francis I.	So. Wilmington
Cokeley, Thomas E.	Harrisburg	Diamond, Peter	Duquoin
Cox, Walter E.	Danville	Dick, Robert	Duquoin
Condon, Charles H.	Hanna Cit	Dickerson, James E.	Belleville
Connors, William	Toluca	Dickerson, J. L.	Danville
Connell, Nicol E.	Peoria	Dickenson, Thomas F.	Norris
Conrad, William	Springfield	Dickinson, William T.	Athens
Considine, John	Belleville	Dillon, James	Braidwood
Cosgrove, Bernard	Sparta	Dodd, William (d)	Cable
Costella, Henry (d)	Pana	Dodge, H. N.	St. David
Castor, George	Grape Creek	Donahoe, James	Carterville
Corcoran, Charles	Murphysboro	Donaldson, William	Kangley
Corrigan, James	Marseilles	Donaldson, James W.	Peoria
Courtney, James D.	Westville	Donaldson, John A.	Himrod
Cowell, William	Assumption	Donnelly, James	Carterville
Cox, Eugene	Centralia	Dooley, Harry	Springfield
Craine, John E.	Murphysboro	Dooner, P. J.	Glenburn
Craine, B. S.	Murphysboro	Donnelly, P. H.	Chicago
Crane, Roy E.	Tomarora	Donnelly, Henry	Braidwood
Crampton, Edward	Murphysboro	Doughty, James	Danville
Crauch, J. E.	Virden	Dougherty, Daniel	Virginia
Crankshaw, Thomas	Decatur	Dougherty, Thomas	Marion
Crankshaw, William	Decatur	Dowell, Thomas	Muddy Valley
Chrichton, Lawson	Taylorville	Downing, Timothy	Briar Bluff
Crighton, Robert	Chenoa	Drake, George	Streator
Criswell, John L.	Nokomis	Dubois, James	Witt
Crowder, Richard A.	Moccasin	Ducas, J.	Grape Creek
Cruikshanks, John	Farmington	Duddy, John	Pana
Cruikshanks, Walter E.	East Peoria	Dudek, John	Kinmundy
Cruikshanks, William	Middle Grove	Duffner, J. W.	Belleville
Cryer, James T.	Spring Valley	Duncan, Charles	Streator
Cumming, Ambrose B.	Spartland	Duncan, John C.	Murphysboro
Cumming, James P.	Spartland	Dunn, James	Collinsville
Cumming, John P.	Braceville	Dunnigan, Virgil B.	Virden
Cumming, Thomas S.	Gardner	Dunnigan, Oscar	Virden
Cumming, D. H.	Gardner	Dunham, John F., (d)	Springfield
Cunningham, Thomas	Girard	Dunlop, John	Odin
Cunningham, Cormick (d)	Springfield	Durkin, Michael	Sunfield
Cunningham, David	Gillespie		
Currie, Adam	LaSalle		
Daenzer, Anton	Belleville	Eadie, John	Sherman
Daid, Dave M.	Edwardsville	Earl, William	Braidwood
Dale, Henry	Murphysboro	Eaton, A. C.	Zeigler
Dale, John	Fredonia	Eccles, John	Salem
Daniels, James	Belleville	Edgar, William	Herrin
Daniels, Samuel	Belleville	Edwards, S. E.	Centralia
Daniels, Alexander	Henry	Edwards, Thomas	Springfield
Daniels, Joel S.	Belleville	Edmunds, Morgan	Mt. Olive
Danny, William	Lincoln	Ehret, Frank A.	Wesley
Danezer, Arthur J.	Glen Carbon	Eller, William	Edwardsville
Davis, Caleb	Collinsville	Ellington, Jacob	Dewmaine
Davis, J. H.	Cuba	Emery, Charles	Breese
Davis, Thomas	Dunfermline	Emery, Joseph	Belleville
Davis, Thomas M.	Virden	English, Thomas	Streator
Davis, P. J.	Percy	Erwin, William	Belleville
Davis, William	Litchfield	Essex, George W.	Soperville
Davis, Rees P.	Springfield	Eubanks, Edward	Halidayboro
Davis, William H.	Streator	Evans, George	Lincoln
Davison, Matt	Duquoin	Evans, Edward J.	Glassford
Davison, James	Sparta	Evans, Harry M.	Harrisburg
Davidson, Forest	Sandoval	Evans, John Nine, ex	LaSalle
Davenport, John	Harrisburg	Evans, John O., ex	O'Fallon
Dawkins, William E.	Belleville	Evans, John	Bissell
Dawson, Daniel	Campbell Hill	Evans, Albert E.	Streator
Dawson, Richard	Athens	Evans, William	Norris
Dayton, John	Pekin	Evans, William H.	Harrisburg
Deans, Henry	Percy	Evans, John O., Jr	Caseyville
Deaton, Abraham L.	Middletown		
Deeney, George H.	Farmington	Fagan, Michael	Spring Valley
Denny, John L.	Springfield	Fagan, Patrick T. (d)	Decatur
Denny, Lawrence	Springfield	Fanke, Anton	O'Fallon
		Fairbairn, Thomas	Streator

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Fairbairn, Joseph W.	Streator	Gose, Robert	Streator
Fairlie, James	Gilchrist	Goodall, George	Assumption
Falceett, John B.	Glen Carbon	<i>Goodwin, Robert A.</i>	Pontiac
Falcomer, George P.	Belleville	Gordon, Ephriam G.	Wanlock
Farnsworth, Lawrence, ex.	Barclay	Graback, Emil T.	Staunton
<i>Farnsworth, Thomas J.</i>	Spaulding	Grabuck, R. H.	Staunton
Felker, John	Danville	Graham, Hiram	Virden
Fellows, Edward	Streator	Graham, John W.	Dunfermline
Ferguson, John	Reed City	Graham, Louis A.	Jacksonville
Ferguson, Walter	Braidwood	Graham, William	Virden
Ferguson, William	Duquoin	Graham, David I.	Springfield
Ficker, A. W.	Worden	Graham, John (d)	Marion
Finfrook, M. M.	Pana	Granell, Ira	Herrin
Fisher, Stephen	Gillespie	Grant, Peter, Jr.	Peoria
Flavel, Jonah	Duquoin	Gratz, Gottlieb	Hornsby
Fleming, James	Decatur	<i>Grumlich, Fred W.</i>	Belleville
Fleming, Jacob	Kewanee	Grumlich, Jul. M.	Belleville
Fleming, Robert	Carbon Hill	Gray, Thomas R.	Springfield
Flesher, Andrew	Taylorville	Gray, Peter	Pana
Fletcher, John	LaSalle	Green, Arthur	Braceville
Fletcher, John J.	Collinsville	Green, Thomas, H.	Springfield
Fletcher, T. C.	Collinsville	Green, W. H.	Belleville
Fletcher, William	Collinsville	Green, Joseph, ex.	Marissa
<i>Flood, John</i>	Spring Valley	Green, John W.	Springfield
Flynn, Edward	Duquoin	Green, John	Belleville
Flyn, William	Willisville	<i>Green, Robert</i>	Springfield
Flynn, William H.	Cartersville	Greenwood, John R.	Edinburg
Flynn, John	Willisville	<i>Greenwood, Robert</i>	Duquoin
Foley, George, ex.	LaSalle	Grieve, Peter	Collinsville
Foley, W. E.	Mapleton	Grieve, Peter, Jr.	Collinsville
<i>Foley, Arthur C.</i>	Auburn	Grieve, Peter	Belleville
<i>Forsythe, Peter</i>	Centralia	Grieve, Jesse	Belleville
Forsythe, Robert	Murphysboro	Griffin, John	Cantrall
Foster, William	Lincoln	Grinrod, William E.	Belleville
Foster, James	Marion	Groon, John	Belleville
Fohl, Bernard, ex.	Belleville	Grosspitch, August	Belleville
Fox, John	Etherley	Guest, Joseph, ex.	Belleville
Francis, T. L.	Braidwood	Guest, John	Belleville
Frazee, William H.	Danville	Guiney, Martin G.	Marion
<i>Franklin, Bernard</i>	Lincoln	Guiney, James T.	Braidwood
Frankovich, Joseph	Kangley	Guthrie, Farquhar M.	Gilchrist
Frew, Archibald	Moweaqua		
Freer, James	Peoria		
Fremgen, Casper	Edwardsville	Haddick, John, Jr.	Cable
Friska, Jan	Edwardsville	Haddick, William, ex.	Sherrard
Fritz, William, ex.	Breese	Haddow, Thomas	Pana
Fulton, David	Johnston City	Hagerton, Joseph	St. John
		Haile, George	Ladd
Gaffigan, Michael	Petersburg	Hall, John	Sherrard
Gaffigan, Patrick J.	Springfield	Hallemmer, Julius, ex.	Golden Eagle
Galbraith, George	Tamaroa	Hall, Matthew	Braceville
Garrity, John	Riverton	Hall, Albert	Herrin
Gaul, Henry J.	Ridge Prairie	Hainsel, Daniel	Lenzburg
Gavin, Barney	Springfield	Halbert, J. A.	Westville
Geisler, Ernest	Golden Eagle	Halbert, W. S.	Westville
Gell, Philip	Gilchrist	Hamilton, Thomas	Nashville
Geret, Albert C.	Staunton	Hansom, Sharp	Witt
Getteman, L. A.	Centralia	Handwright, James	Virden
Gibson, Michael	Spring Valley	Hanley, John H.	Springfield
Gigley, J. F.	Peoria	Hannah, Thomas	Iles Junction
<i>Gilbert, Edward</i>	Niantic	Hardin, Joseph H.	Vandercook
Gile, William	Gillespie	Hardin, Hiram H.	Raymond
Gilchrist, John W.	Gilchrist	Harding, Enos	Birkner
Gilchrist, H. M.	Gilchrist	Harding, Thomas F.	Danville
Glass, William H.	Pana	Harding, William	Lebanon
Gluck, Leo	Spring Valley	Hachat, Joseph	Blue Mound
Goalby, John F.	Gillespie	Hardy, Rufus E.	Murphysboro
Goddard, Benjamin B.	Duquoin	Harkes, William	Coal City
Goddard, William	Duquoin	Harper, William J.	Springfield
Goddard, W. H.	Herrin	Harper, John	Colchester
<i>Godher, William</i>	Cuba	Harriman, John	Peoria
<i>Golden, George</i>	Springfield	Harris, Tom	Mulkeytown
Golden, William D.	Springfield	Harris, James S.	DuBois
Gorsuch, R. H.	Springfield	<i>Harrison, Ernest</i>	Streator
		Harrison, John	Virden

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Harrison, John, ex.....	Odin	Humphreys, Edward.....	Murphysboro
Harrison, William.....	Murphysboro	Hunter, Ralph.....	Colchester
Harrison, James.....	Athens	Hunt, Albert J.....	Edwards
Harrop, James T.....	Seatonville	Hutton, James, ex.....	Tallula
Hartman, Frank, ex.....	Murphysboro		
Hartman, William.....	Freeburg	Iberson, James.....	Athens
Haselton, F. D.....	Spaulding	Irwin, James M.....	Pontiac
Haskins, George H.....	Grape Creek	Issinghaus, William.....	Lebanon
Haskins, Joseph.....	Grape Creek	Izat, William.....	Litchfield
Hauck, Fred.....	Glen Carbon		
Hawkins, Sidney.....	Belleville	Jackson, George W.....	Cable
Haydon, J. S.....	Springfield	Jackson, E. W.....	Christopher
Hayes, Webster.....	Edwardsville	Jackson, Charles P.....	St. David
Heyes, Henry.....	Streator	Jackson, D. P.....	Livingston
Hebenstreit, Bruno (d).....	Staunton	James, John.....	Mt. Olive
Hebenstreit, E. W.....	Staunton	James, Johan.....	Grape Creek
Hebenstreit, T. G.....	Staunton	Jakes, William.....	Belleville
Hebenstreit, J. P.....	Staunton	Jakes, Charles.....	Johnston City
Heffington, W. J.....	Coulterville	Jakes, Richard.....	Belleville
Heintle, Walter.....	DeSoto	Jefford, R. H.....	Kingston Mines
Heist Theo.....	Mt. Olive	Jefford, Thomas H., ex.....	Kingston
Helfrich, Henry.....	Rentchler	Jeffrey, Peter.....	Carterville
Henderson, Edward.....	Springfield	Jeffries, John E.....	Muncie
Henderson, Joseph.....	Coal City	Jenkins, Alexander.....	Dunfermline
Henderson, J. D.....	Herrin	Jenkins, David.....	South Danville
Henderson, Thomas.....	Marissa	Jenkins, Douglas.....	Edwardsville
Hendricks, Charles W.....	Belleville	Jenkins, Thomas C.....	Murphysboro
Henley, J. H.....	New Athens	Jenkins, J. A.....	Dunfermline
Henley, Richard.....	Niantic	Jenkins, John L.....	Fairbury
Heppard, George.....	Tilden	Jenkins, T. E.....	Danville
Hemmorsbach, Peter.....	Farmington	<i>Jerrimiah, William M.</i>	Duquoin
Helm, Guido.....	Mt. Olive	Jerrell, John W.....	Equality
Henry, Frederick.....	Kewanee	Johu, Evan D.....	Spaulding
Henry, John T.....	Pontiac	Johnson, Andrew.....	Nashville
Henry, Philip.....	Kewanee	Johnson, William.....	Danville
Heriot, James (d).....	Spring Valley	<i>Johnson, James</i>	Pineknayville
Heron, George.....	DeSoto	Johnston, Cochran (d).....	Spring Valley
Herb, George C.....	Belleville	Johnston, Samuel.....	Oglesby
Herzog, William.....	Glen Carbon	Johnson, Nels.....	West Frankfort
Hetherington, Benj. M.....	LaSalle	Johnson, Peter J.....	Pekin
Hexter, John.....	Freeburg	Johnston, William.....	Marion
Hibberd, George.....	Peoria	<i>Johnston, William</i>	Elmwood
Hickey, John.....	Springfield	Jolly, Thomas F. (d).....	Collinsville
Hicks, Richard J.....	Sherrard	Jones, Charles.....	Marissa
Higbee, A. W.....	Wyoming	Jones, Thomas.....	Taylorville
Higbee, James.....	Wyoming	Jones, Thomas.....	Westville
Hill, Marshall.....	Carterville	<i>Jones, David</i>	Marissa
Hill, Peter.....	Hillsboro	Jones, D. L.....	Taylorville
Hillard, Edward.....	Colchester	Jones, John T.....	Lebanon
Hind, John A.....	Moline	Jones, Edward.....	Oglesby
Hindson, Harvey.....	Canton	Jones, Harry D.....	Riverton
Hines, John.....	Mt. Pulaski	Jones, John H.....	Duquoin
<i>Hippard, William J.</i>	Belleville	Jones, Logan.....	Marissa
Hissong, Charles.....	Tilden	Jones, Robert R.....	Oglesby
Hoffman, John.....	Duquoin	Jones, T. L.....	Ladd
Holmes, Thomas F.....	Lincoln	Jones, William.....	Marissa
Horning, Charles A.....	Harrisburg	Jones, William E.....	Sheffield
Houstan, Robert.....	Percy	Jones, William E.....	Wesley City
Houston, Robert J.....	Duquoin	Jones, William M.....	Tamara
Howell, Thomas H.....	Duquoin	<i>Jones, David W.</i>	Auburn
Howell, D. J.....	Duquoin	Jordan, Robert (d).....	Streator
Howell, John.....	Herrin		
Howells, Eben (d).....	Braceville	Kahle, Joseph.....	Coulterville
Howells, T. J.....	Duquoin	Kaiser, Frank.....	Belleville
<i>Hoye, James</i>	Braidwood	Kane, Charles H.....	Dunfermline
Hoye, William.....	Braidwood	Kane, John M.....	Springfield
Hoddy, T. H.....	Staunton	Kaney, John M.....	Centralia
Hood, John.....	Diverson	Kay John.....	Pawnee
Hudson, Thomas.....	Etherly	Kay, James.....	Sherrard
Hughes, James.....	Braidwood	Kay, George.....	Westfield
Hughes, John W.....	Braidwood	Karral, Charles.....	Westville
Hughes, Hugh J.....	Pana	Karrall, Edgar (d).....	Braceville
Hughes, John J.....	Litchfield		
Humme, J. A.....	Hillary		
Hummert, Henry.....	Breese		

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Kasher, Thomas	Braidwood	Lindsay, Robert	Springfield
Keating, James A.	Streator	Lindsay, George	Christopher
Keay, A. H. S.	Seatonville	Linsky, P. J.	Braidwood
Keay, John (d.)	Springfield	Lister, James H.	Peters Station
Keefe, Edward	Colfax	Little, Peter	Peoria
Keefe, William	Danville	Little, Thomas	Summerfield
Kell, Matthew	Dubois	Little, William	Herrin
Kell, Peter	Dubois	<i>Lively, Robert</i>	Marissa
Kelley, Bernard	Litchfield	Lloyd, David J.	Edinburg
Kelley, D. J.	Carbon Hill	Lloyd, Rowland R.	Barclay
Kelley, Frank S.	Centralia	Lloyd, John E.	Danville
Kelley, Joseph G., ex.	Braidwood	Lloyd, Thomas	Rentchler
Kelley, Robert D.	Carbon Hill	Lloyd, Thomas	Wanlock
Kelley, J. D., Sr.	Carbon Hill	Lockard, Marcus J.	Tower Hill
Kuepper, Henry	Gillespie	Loeffler, Anton	LaSalle
Kennedy, J. W.	Pana	Lord, John S.	Springfield
Kennedy, Thomas	Springfield	Lord, Henry L.	Virden
Kerr, John	Rushville	Love, William	Sherman
Kidd, Alexander	Oglesby	Love, John W.	Carbon Hill
Kidd, Andrew	Oglesby	Lowery, Frank	Orchard Mines
Kidd, W.	Ridge Prairie	Lumaghi, Joseph	Collinsville
<i>Kidd, Eugene</i>	Ridge Prairie	Lumaghi, Louis F.	Collinsville
Kidd, William	Hillsboro		
Kienbush, David	Edwards Station		
Killingsworth, C.	Pinckneyville	Macke, P. H.	Ledford
Killian, Charles J.	Belleville	Malcor, Henry	Riverton
Kimmel, Theodore	Hallidayboro	Malcolm, William J.	Braceville
Kincaid, Lee	Athens	Malloy, Henry E (d.)	Decatur
Kirby, James	Athens	Mallon, Harry	Springfield
Kirchner, Frank	Belleville	Malone, Frank	Pinckneyville
Kirkwood, Martin	Birkner	Maltby, William (d.)	Braidwood
Klingfus, Otto	Belleville	Maun, Jacob	Mascoutah
Klinginfus, Emil	Belleville	Manees, Charles	Centralia
Kloever, Jos.	Pana	Markham, John J.	Taylorville
Knapp, Charles	Seatonville	Marland, John, Jr.	Wenona
Knies, Henry	Breese	Marland, John, Sr., ex., (d.)	Wenona
Knowles, Harvey	LaSalle	Marsh, James	Riverton
Kortkamp, William	Hillsboro	Martin, Charles	Middle Grove
Kortkamp, Louis	Hillsboro	Martin, George	Farmington
Krallman, Chas.	Glen Carbon	Mason, Eli	Edinburg
<i>Kramer, Anthony F.</i>	Sato	<i>Mason, Meyrick C.</i>	LaSalle
Kramer, Leo	Stonington	<i>Mason, Mark, Jr.</i>	Sato
Krantz, Jacob	Belleville	<i>Massey, Alfred N.</i>	Belleville
Kreppert, William	Springfield	Massie, John G.	Marissa
		Matthews, W. S.	Kinmundy
Lacour, August	Bartonsville	Mathews, T. A.	Harrisburg
Laesser, Adolph	Belleville	Maxwell, Angus	Carlinville
Laughron, Ed.	Benton	Maule, Alexander	Belleville
Lauder, Alexander	Cartersville	Mauck, William	Danville
Launoe, Frank	Worden	Mays, John F.	Pana
Large, James M.	Athens	Medfill, Duncan B.	Oglesby
Larriek, O. O.	Witt	<i>Meehan, Patrick</i>	Breeds
Laws, J. M.	Cuba	<i>Meehan, Peter</i>	Williamsville
Lawson, John	Mt. Olive	<i>Merkle, Benjamin</i>	Sandoval
Lawson, Thomas	Lake Creek	<i>Meeks, Joseph</i>	Belleville
Lawson, Arthur	Edwardsville	<i>Meyer, Bruno F.</i>	Staunton
Lawson, John	Cable	Michaels, Theodore	Belleville
Leach, John	Auburn	Millard, John	Peoria
Ledford, Edward E.	Harrisburg	Miller, Edward	Sorento
Lee, Robert	Cable	Miller, Charles	Laceville
Lee, Robert	Sherrard	Milburn, Thomas	Edwardsville
Lee, Shellcross G.	Canton	Middleton, James L.	Sandoval
Lee, William J.	Cable	<i>Michaels, Lewis</i>	Belleville
Legendre, Theodore	Mascoutah	Michaels, Otto L.	Belleville
Lehwood, Herman A.	Springfield	Miller, Alexander	Ridge Prairie
Leichty, James	Danville	Miller, Hugh	Coal City
Leming, W. C.	Duquoin	<i>Miller, William</i>	Lenzburg
Lettsome, William	Carbon Hill	Miller, George W.	Pawnee
Lettsome, Absalom	Carbon Hill	Miller, John K.	Staunton
Lewis, Charles	Sparta	Miller, J. H.	Edwardsville
Lewis, James	Bryant	<i>Miller, Frank R.</i>	Herrin
Lewis, William	Streator	<i>Milen, John</i>	Norris
Lindley, Richard	Collinsville	<i>Millett, Thomas</i>	Collinsville
Lindsay, John O.	Duquoin	Millhouse, John G.	Spring Valley
		Mills, T. J.	Cable

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Mitchell, T. J.	Pana	McLachlan, John	Springfield
Mitchell, Jesse M.	Murphysboro	McLarin, Archibald	Collinsville
Mize, Walter	Blue Mound	McLaughlin, Patrick	Selbytown
Moffat, R. E.	Percy	McLaughlin, William (d)	Auburn
Moffat, Thomas	Percy	McLaughlin, William	Ava
Monaghan, Edward	Carbon Hill	McLaughlin, John	Girard
Monaghan, William	Braidwood	McLean, Robert	Girard
Monroe, Wm. A.	Carrier Mills	McManamon, Patrick F., (d)	Spring Valley
Moore, Alexander J.	Chicago	McMorrow, Michael	Farmington
Moore, Samuel	Springfield	McMath, George	Carterville
Moran, Mark	Pekin	McMurtle, A. B.	Bryden
Morin, Jeremiah	Danville	McWhinney, Andrew	Virden
Morin, D. A.	Danville	McMorrow, Thomas	Farmington
Morgan, George	Springfield	McNabb, William	Athens
Morgan, Joseph	Streator		
Morgan, Isaac B.	Ladd		
Morris, G. W.	Lebanon	Neal, Reese	Kangley
Morris, J. H.	Nashville	Neal, Albert N.	Murphysboro
Morris, James F.	Springfield	Neal, William	Murphysboro
Morris, P. K.	Roanoke	Neal, Warren	Danville
Morris, William H.	Belleville	Needles, Thaddeus	Glenburn
Morris, Joseph	Nashville	Neeson, Richard	Divernon
Morris, Robert	Marion	Neil, Peter, ex.	Bunker Hill
Morrissey, Thomas	Lebanon	Newcomb, H. C.	Pana
Morrison, D. H.	Girard	Newman, Henry T.	Springfield
Morton, Andrew	Virginia	Newsam, John	Kingston
Morton, Robert	Virginia	Newsam, Richard	Orchard Mines
Moses, John L.	Marion	Newsam, Richard, Jr.	Kingston Mines
Moses, Tom	Westville	Newsam, Thomas	Kingston Mines
Moss, Thomas	Staunton	Newsam, Thomas, Jr.	Kingston Mines
Mould, Thomas R.	O'Fallon	Nesbit, Charles ex.	Millstadt
Mountjoy, John Hy.	Wenona	Nevenor, John	Belleville
Murdock, John	Breeds	Nevil, George W.	Duquoin
Muir Hunter	Etherly	Nicholson, Edward	Nashville
Munster, Anton	Westville	Nicholson, George A.	Cuba
Muntz, Jabez	Streator	Nicholson, William (d)	Cuba
Muntz, William	Streator	Nixson, Robert	Virden
Murphy, Jerry	Chatham	Noll, Peter	Belleville
Murphy, Mike	Bush	Nold, Fred	Freeburg
Murphy, John	Braidwood	Nordeen, Peter	Galva
Murphy, Patrick	Springfield	Nordness, C. K.	Girard
Murray, A.	Nashville	Nortman, George	Streator
Murray, Hugh	Sparta	Nuttall, J. F.	Westville
Murray, James W.	Westville		
Murray, J. H.	Galva		
Murrie, Archibald	Centralia	O'Beirne, John	Spring Valley
Mustard, George	Norris	O'Brien, John W.	Toloca
Myers, Thomas E.	Marion	O'Brien, John J.	Marquette
McAllister, Hector	Streator	O'Brien, James	Belleville
McAlphine, W. H.	Marion	O'Brine, Patric J.	Spring Valley
McAnarney, James	Girard	O'Brine, William	Pana
McCann, Patrick	Lincoln	O'Briant, James	Georgetown
McCleary, John	Cantrall	O'Connor, James	Spring Valley
McCleary, James	Kangley	O'Connor, John	Braidwood
McClinck, John	Murphysboro	O'Connor, Patrick F.	Paisley
McCraner, James	Girard	O'Leary, John	Marquette
McCridle, David	Oglesby	Olroyd, Peter	Westville
McCullough, W. F.	Mapleton	O'Neil, John	Germantown
McCown, Milo	Carterville	Opie, William (d)	Sandoval
McDill, James	Pana	Owen, William	Tallula
McDonald, Archibald	Westville	Owens, Robert	Marion
McDonald, Robert	Streator	Owens, R. D.	Farmington
McDonald, William	Braidwood		
McDonald, Adam S.	Dalzell		
McFadden, Joseph	Danville		
McFarland, William A.	Edwardsville	Parker, Albert	Collinsville
McGeachen, Robert (d)	Sorento	Parker, Joe	S. Wilmington
McGinnis, John	Springfield	Pascoe, James H.	Belleville
McGunnigal, John	Murphysboro	Pasnett, Joseph T.	Springfield
McGunnigal, James	Marissa	Pasnett, William C (d)	Barclay
McGunnioal, Bernard (d)	Spring Valley	Patchett, John	Murphysboro
McKean, Isaac	Coal City	Patterson, J. C.	Assumption
McKeown, Frank	Decatur	Patton, George A.	Belleville
McKernan, James	Collinsville	Payne, Harry	Riverton
McKillop, Donald	Carbon Hill	Pearl, John	Braidwood

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Penwell, C. T. (d).	Pana	Richardson, Thomas	Spring Valley
Perrell, Thomas	Norris	Richardson, Joseph	Litchfield
Peters, J. D.	Murphysboro	Richardson, Robert	Carterville
Petrie, Joseph	Belleville	Ridgely, O. L.	Mt. Olive
Pettier, Moses	Spring Valley	Ritchie, Alex. Sr.	Clinton
Pettigrew, Robert	Troy	Ritchie, A., Jr.	Trenton
Phillips, James	Minonk	Ritchie, Thomas	Streator
Phillips, W. C.	Staunton	Rittmann, J. J.	Decatur
Pick, Edward	Centralia	Riviere, Paul	Orchard Mines
Pickett, Joseph	Spring Valley	Roberts, Benj. D.	Streator
Pickett, Robert	Spring Valley	Roberts, Evan F.	Danville
Pickett, Joseph	St. David	Roberts, Hiram	Collinsville
Picton, Joseph	Farmington	Roberts, John D., ex., (d)	Streator
Pierson, John W.	Harrisburg	Roberts, Thomas D.	Streator
Pierce, William	Edinburg	Robinson, Henry	Gardner
Pischner, Oscar J.	Westville	Robinson, John T.	Kingston Mines
Plumbee, Arthur	Duquoin	Robinson, L. E.	Kingston Mines
Poelker, Joseph	Germanatown	Rodden, John	Pana
Poel, Edgar E.	Murphysboro	Rodenburg, Charles	Belleville
Potter, George	Mapleton	Rodenbush, John	Steeltown
Postle, John (d)	Braceville	Roe, Samuel	Oglesby
Powell, Albert E.	Belleville	Roe, Thomas	Oglesby
Powell, Evan	Murphysboro	Rogers, Charles	Duquoin
Powell, David, ex.	Braceville	Rogers, Josiah	Braidwood
Powell, J. E.	Sao	Rodgers, James	Troy
Powell, Thomas H.	Belleville	Rogers, Llewellen	Braidwood
Powell, Samuel	Roanoke	Rollo, George	Mt. Olive
Price, Fred W.	Centralia	Rollo, James	Pana
Price, William	Braceville	Rollo, John	Gillespie
Price, John B.	Marissa	Rollo, William	Pana
Proctor, Michael J.	Toluca	Rookin, Thomas	Edwards Station
Proctor, Peter	Braidwood	Ross, David	Oglesby
Prudent, Edward	Centralia	Ross, John H.	Gillespie
Pryce, John M.	Coal Valley	Rosbottom, James	Kingston Mines
Pryer, William	Gillespie	Rowland, Charles, ex.	Belleville
Pugh, Daniel	St. John	Rozanski, Michael	Taylorville
Pullen Charles	Litchfield	Rundle, John C.	Colchester
Pullen, James	Sorenta	Rundle, William	Pekin
Pye, William	Bartonville	Rutledge, Walton	Alton
		Rutledge, J. J.	Staunton
		Ryan, James (d)	Springfield
		Ryan, Thomas	Springfield
Raby, Robert A.	Cuba		
Radford, Thos., ex., (d)	Bloomington		
Radfor, William	Cuba		
Radford, James D. (d)	Springfield		
Radford, William T.	Bloomington		
Rae, Robert	Braidwood	Sangrelet, Marshall	Mt. Olive
Ramsey, Charles J.	Gillespie	Sanders, John M.	Hanna City
Randle, Jesse	Birkner	Sandson, Henry S., ex.	Streator
Rarick, Phil. W.	Glen Carbon	Sauer, Frederick	Belleville
Ratchliffe, Arthur	Kewanee	Saurs, Cornelius	Peoria
Rauth, John	Belleville	Scaife, William	Coal City
Rosmussen, James E.	Mineral	Schlettler, Bruno	Springfield
Rasbottom, Frank	Kingston	Schroll, Joseph	Bartonville
Reagan, Daniel	Muddy Valley	Schram, Richard	Belleville
Reavley, Robert	Riverton	Schrader, Joseph H.	Eldorado
Redshaw, William	Spring Valley	Schreler, Gustav	Divernon
Redyard, John	Odin	Scheidel, John	Bartonville
Reed, James	Herrin	Schellschmidt, Ernst	East Peoria
Reeb, Phillip	Belleville	Schroyer, Edward	Dunfermline
Reed, W. M.	Girard	Schutte, H. F.	Mt. Olive
Reed, William B.	Wilsman	Schmithoure, Theodore	Mt. Olive
Reents, August	Kramm	Scott, George	Marissa
Renter, Max	Staunton	Scott, C. W., Sr.	Pocahontas
Reece, Daniel	Danville	Scully, William J.	Glen Carbon
Reid, Andrew	Springfield	Scurah, Castling R.	Braceville
Reid, Joseph	Marion	Sebastian, Charles W.	Lenzburg
Reilly, Edward	Danville	Secor, Frederick D.	Odin
Reimann, John	Belleville	Seddon, Thomas	Paisley
Rernison, Henry	St. John	Senloe, George	St. John
Reynolds, William	East Peoria	Sevan, Charles	Danville
Reynolds, John	Streator	Severit, Albert	Belleville
Rhodes, Jefferson	Pana	Shanahan, John C.	Gillespie
Richards, John	Murphysboro	Shaw, James	Peoria
Richards, James	LaSalle	Sharp, Montgomery, ex.	Coal City
		Sholeen, R. A.	Galva

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Sholl, Joseph	Bartonville	Stockett, Thos. R., Jr.	St. Louis, Mo.
Shurin, Peter	Auburn	Stockman, W. H.	Duquoin
Sims, Frank	Pana	Stockman, William C.	Belleville
Schuler, Charles	Gilechrist	Stoneburner, L. L.	Moweaqua
Siddall, John S.	Pana	Storrie, Archibald	Seatonville
Siddall, James S.	Streator	Stratman, Henry, ex. (d)	Springfield
Siddell, J. W.	Springfield	Straley, Peter	Canton
Siddle, John	Edwardsville	Strebel, George	Edwardsville
Simkin, Samuel	Streator	Strickland, John	Coal City
Simmons, Thomas	Canton	Stricklin, W. H.	Harrisburg
Simpson, Isaac	Glen Carbon	Striebe, Chris. W.	Danville
Simpson, David	Spring Valley	Sutton, Thomas	Millstadt
Simpson, David	Springfield	Swan, Charles	Danville
Simpson, George A.	Springfield	Swansberg, John L.	Danville
Simpson, George C.	Springfield	Swarthout, J. P.	Peoria
Simpson, William J.	Collinsville	Svinson, Alfred	Greenview
Simpson, Thomas	Collinsville	Syson, Frank	Niantic
Simpson, Thomas	O'Fallon		
Sine, Charles A.	Johnston City	Tallman, John ex.	Kangley
Singler, Edward	Johnston City	Tattersall, George	Seneca
Sisk, A. J.	Equality	Taulbee, Edward (d)	Hillsboro
Skinner, Alexander	Diamond	Taylor, Charles	Edwardsville
Skinner, David, (d)	Diamond	Taylor, Daniel	Edwardsville
Skinner, John	Diamond	Taylor, Henry	Belleville
Skinner, John	Astoria	Taylor, James	Edwardsville
Skelton, A. H.	Coal City	Taylor, Joseph	Springfield
Sloan, Edward C.	Wesley City	Taylor, Thomas H., ex.	O'Fallon
Small, James	Middle Grove	Taylor, Thomas H., ex.	Springfield
Smethurst, Nathan	Spring Valley	Tenney, Charles	Danville
Smith, Alexander M.	Sandoval	Teague, Albert	New Baden
Smith, A. J.	Springfield	Terrell, Henry	Colchester
Smith, David P.	Dawson	Thain, James	Riverton
Smith, Felix	Birkner	Thom, Alexander, ex.	Coal City
Smith, James	LaSalle	Thomas, William J.	Spring Valley
Smith, James J.	Riverton	Thomas, H.	Westville
Smith, George A.	Sandoval	Thomas, J. V.	Spring Valley
Smith, James L.	Mt. Olive	Thomas, John R.	Ladd
Smith, James	East Peoria	Thomas, T. J.	Collinsville
Smith, John P.	Glen Carbon	Thomas, Reese	Spaulding
Smith, James L.	Riverton	Thomas, David B.	Murphysboro
Smith, James P.	Collinsville	Thomas, Richard	Ridge Prairie
Smith, Henry W.	Springfield	Thomas, J. J.	Benton
Smith, Joseph	Bloomington	Thomas, John R.	Marion
Smith, T. J.	Pana	Thome, Martin, ex.	Bartonville
Smith, William	Athens	Thompson, John	DeSoto
Smith, William G.	Riverton	Thompson, Robert C.	Murphysboro
Smith, W. H.	Hillsboro	Thompson, Mark	Sherrard
Smith, Thomas	Belleville	Thompson, William	Mt. Olive
Smith, W. J.	Girard	Thornton, James	Duquoin
Sneddon, Richard	Virdeen	Thornd, Joseph	Trenton
Sneddon, Alexander	Peoria	Thrush, David	Farmington
Sollenberger, Harry C.	Dunfermline	Thrush, William H.	Hanna City
Solomon, John	Springfield	Tolle, E. B.	Kingston Mines
Solomon, Peter H.	Springfield	Tallner, Fred	Edwardsville
Southworth, Andrew P.	Belleville	Tregoning, Walter	Murphysboro
Spiller, George H.	Murphysboro	Twomey, Edwin, ex.	Coal Valley
Spies, Alfred	Braceville	Turton, William	Edwardsville
Sprague, A. J.	St. David		
Springer, Albert R.	Glen Carbon		
Sapstick, Arthur E.	Glen Carbon		
Stachle, August	Belleville	Ulrich, Casper	Tilden
Stahlberg, Charles	Eldorado	Urbain, F. J.	Christopher
Stanton, William E., ex.	Colchester		
Starks, William	Westville		
Starns, James	Hallidayboro	Vallow, Charles	Kimmunity
Steiner, Benjamin	Sato	Vandebur, John, ex.	Springfield
Steel, Alexander	Streator	Vandeveer, P. E.	Taylorville
Steel, Daniel	Collinsville	Vicary, William	Pottstown
Steel, James	Spring Valley	Vicary, George	Pottstown
Steel, Neal	Centralia	Vicary, John, ex.	Lincoln
Stevens, Walter	Virdeen	Vose, John	Springfield
Stewart, D. G.	Seatonville		
Stirrat, James	Peoria		
Stockett, Howard N.	Springfield	Wagner, I.	Mapleton
Stockett, Lewis	Collinsville	Wagner, Louis M.	Belleville

Certificates of Competency—Concluded.

Name.	Postoffice.	Name.	Postoffice.
Walker, John K.	Chenoa	Williams, Jeff.	Farmington.
Walker, James	Murphysboro	Williams, John.	Riverton.
Wall, David E.	Divernon	Williams, Louis.	Belleville.
Wallace, David	Cartersville	Williams, Robert H.	Girard.
Wallace, John	Clifford	Williams, John W.	Livingston
Walland, Ed. S., ex.	Bartonville	Williams, Walter	Duquoin
Walmsley, George	East Peoria	Williams, Thomas J.	Cardiff
Walschlag, Stephen	Peoria	Williams, William H.	Edinburg.
Walsh, Patrick	Springfield	Williams, W. W.	Hornsby
Walsh, Peter P.	Pleasant Plains	Williams, David W.	Herrin
Walters, William H.	Staunton	Williams, David	Tilden
Wanless, John	Springfield	Williams, W. F.	Pekin.
Wanless, William H.	Riverton	Williamson, William	Staunton
Wanling, T. J.	Peoria	Williamson, Jacob	Springfield
Wanling, Thomas	Pottstown	Wilson, Hiram E.	Carbondale
Wanling, Thomas W.	Ladd	Wilson, Samuel	Westville
Ward, Wilson	Riverton	Wilson, John	Coal City
Wardie, John	Marion	Wilson, David	Murphysboro
Warren, James M.	Herrin	Wilson, David	Spring Valley
Watters, Fred	Elmwood	Wilson, Hugh	Kinmundy
Watson, George R.	Wyoming	Wilson, Alexander	Carbon Hill
Watson, John A.	Cartersville	Wilson, Hiram	Carbondale
Watkins, W. J.	Danville	Wilson, H. C.	Pekin
Watts, Thomas J.	Elmwood	Wilson, John B.	Sparta
Watts, William	Elmwood	Wilson, John J (d)	Wesley City
Waugh, Robert	Equality	Wilson, Robert	Roanoke
Weber, Henry	Murphysboro	Wilson, William	Middle Grove
Webster, Richard	Collinsville	Wilson, Thomas	Norris
Webb, James M.	Westville	Wilson, William	Sparta
Weeks, Thomas	Streator	Wilson, David	Lincoln
Weisenborn, F. E.	Mt. Olive	Wilson, W. R.	Reed City
Weineberg, Otto	Springfield	Winneberg, W.	Springfield
Westwater, David	Pekin	Winning, James	Cartersville
Westwood, Albert	Belleville	Winning, Robert	Cartersville
Westwood, Thomas E.	Marissa	Winterbottom, John	Murphysboro
Westwood, John	Streator	Winters, Samuel P.	Bartonville
Westwood, Thomas	Belleville	Wittman, Daniel	New Baden
Wheatcraft, James	Elmwood	Walschlag, Stephen, ex.	Peoria
Whennen, Charles	Oglesby	Wood, Henry	Streator
Witaker, John	Collinsville	Wood, Henry	Troy
Whitaker, William J.	Collinsville	Woods, William, ex.	Morris
White, John	Pana	Woodson, W. R.	Springfield
White, John R.	Belleville	Worthington, Willard	Duquoin
White, James	Ottawa	Wright, Thomas C.	Belleville
White, Michael	Viriden	Wright, John	Belleville
White, Owen	Seatonville	Wright, J. W.	Kingston Mines
White, Louis	Spring Valley	Wundelirck, John	Marissa
White, Robert	Belleville		
Whitehead, Joseph	Farmington		
Whitehead, Edward	Farmington	Yates, John	Belleville
Wigham, William G.	Cartersville	Yates, J. R.	Centralia
Wild, James	Murphysboro	Young, Hiram	Girard
Wiley, Robertson	St. David	Young, Hugh G.	Braidwood
Wilderman, John	Eldorado		
Wilkinson, Frank	Westville		
Wilkinson, T. H.	Diamond	Zink, Peter A.	Belleville
Williams, Daniel J.	Springfield	Zink, Charles L.	Belleville
Williams, James	Murphysboro	Zoller, Robert H.	Braidwood
Williams, Thomas	Kinmundy		

MINE MANAGERS HOLDING CERTIFICATES OF SERVICE.

Name.	Postoffice.	Name.	Postoffice.
<i>Adams, Charles T.</i>	Roseboro	<i>Hutton, James</i>	Tallula
<i>Alsopp, William H.</i>	New Castle	<i>Hallenmeyer, Julius</i>	Golden Eagle
<i>Andreas, August</i>	Belleville		
<i>Angel, Hiram</i>	Glenn	<i>Jenkins, Eugene</i>	Bartonville
<i>Atkinson, Edward</i>	Streator	<i>Jerrimiah, William M.</i>	Duquoin
<i>Azford, Thomas</i>	Petersburg	<i>Jones, David</i>	Marissa
<i>Bailey, Robert</i>	Sunfield	<i>Keller, George Jr.</i>	Bartonville
<i>Bangett, Henry (d)</i>	Lincoln	<i>Kidd, Andrew</i>	Wenona
<i>Bartlett, Thomas</i>	Cuba	<i>Kidd, Eugene</i>	Ridge Prairie
<i>Barwell, John</i>	Cutler	<i>Kirley, Bernard</i>	Kewanee
<i>Bates, W. H.</i>	Winchester	<i>Klingenhagen, Henry</i>	Belleville
<i>Betz, Charles C.</i>	Duquoin	<i>Kramer, Anthony F.</i>	Sato
<i>Bolander, John</i>	Pekin		
<i>Bracken, James A.</i>	Greenview	<i>Laumbattus, Philip H.</i>	Tamaroa
<i>Brown, Jabez</i>	Cutler	<i>Lenze, Charles</i>	Belleville
<i>Brown, Thomas M.</i>	Pinekeyville	<i>Lloyd, Hosea W.</i>	Sheffield
<i>Bunting, J. H.</i>	Grape Creek		
<i>Bushong, Andrew M.</i>	Danville		
		<i>Mason, Mark, Jr.</i>	Sato
<i>Caldwell, James</i>	Elmwood	<i>Maale, Robert</i>	Belleville
<i>Cape, Thomas</i>	Fairview	<i>Meehan, Patrick</i>	Breeds
<i>Cameron, Duncan S.</i>	Sorento	<i>Meehan, Peter</i>	Williamsville
<i>Chere, George</i>	Pleasant Plains	<i>Meredith, C. W.</i>	Augusta
<i>Christie, David (d)</i>	Murphysboro	<i>Michaels, Lewis</i>	Belleville
<i>Cooper, Charles</i>	Nilwood	<i>Miller, Nicholas</i>	Lebanon
<i>Collier, Frank J.</i>	Bartonville	<i>Miller, William</i>	Lenzburg
<i>Coster, George</i>	Grape Creek	<i>Milen, John</i>	Norris
<i>Crawson, Elihu</i>	O'Fallon	<i>Millett, Thomas</i>	Collinsville
<i>Cummings, William</i>	Rushville	<i>Moffatt, Thomas</i>	Percy
<i>Cusack, M.</i>	Edwards	<i>Monaghan, Edward</i>	Carbon Hill
		<i>Morin, Jeremiah</i>	Danville
<i>Dale, John</i>	Fredonia	<i>Morton, Robert</i>	Virginia
<i>Davenport, John</i>	Harrisburg	<i>Murphy, John</i>	Braidwood
<i>Davis, Caleb</i>	Collinsville	<i>Mc Cleery, James</i>	Kangley
<i>Davison, Mathew</i>	Duquoin	<i>McDonald, Daniel</i>	Menard
<i>Deans, Henry</i>	Percy	<i>McDowell, James A.</i>	Grape Creek
<i>Donaly, James</i>	Carterville	<i>McKerman, James</i>	Collinsville
<i>Duffner, J. W.</i>	Belleville		
		<i>Neal, William</i>	Murphysboro
<i>Enstminger, Emanuel E.</i>	Crab Orchard	<i>Nidholson, William</i>	Cuba
<i>Entwhistle, Robert</i>	Colchester	<i>Noyd, Lewis</i>	Galva
<i>Erwin, William</i>	West Belleville		
		<i>Oexner, Wendeliu</i>	West Belleville
<i>Fagan, Patrick (d)</i>	Decatur		
<i>Fletcher, Adam</i>	Ladd	<i>Parkin, William</i>	Sweetwater
<i>Forsythe, Peter</i>	Centralia	<i>Patterson, J. C.</i>	Assumption
<i>Forsythe, Thomas</i>	Centralia	<i>Peart, John</i>	Braidwood
<i>Fowler, Henry</i>	Millersburg	<i>Pfander, Fred</i>	Peoria
<i>Franklin, Bernard</i>	Lincoln	<i>Pickett, Robert</i>	Canton
		<i>Pool, Edgar E.</i>	Murphysboro
<i>Gilbert, Edward</i>	Niantic	<i>Price, David</i>	Fairbury
<i>Glenn, John</i>	Peoria	<i>Price, James L.</i>	Danville
<i>Goodler, William</i>	Cuba	<i>Pullen, Charles</i>	Sorento
<i>Golden, George</i>	Springfield		
<i>Graber, Henry</i>	Orchard Mines	<i>Radford, William</i>	Cuba
<i>Grant, David</i>	Pekin	<i>Randle, Jesse</i>	Birkner
<i>Gray, John (d)</i>	Roanoke	<i>Reynolds, William</i>	East Peoria
<i>Green, Robert</i>	Springfield	<i>Royster, Moses L.</i>	Peoria
<i>Greenwood, Robert</i>	Duquoin	<i>Rusche, Christian (d)</i>	East Peoria
<i>Grieve, Peter</i>	Collinsville	<i>Ryan, James</i>	Springfield
<i>Griffith, William A.</i>	Colona		
		<i>Schmidt, Frank P.</i>	Limestone
<i>Haddick, Robert</i>	Cable	<i>Shaw, Nathan</i>	Kramm
<i>Haensel, Daniel</i>	Lenzburg	<i>Smith, David P.</i>	Dawson
<i>Harrison, Ernest</i>	Streator	<i>Smith, Felix</i>	Breese
<i>Heinz, John L.</i>	LaSalle	<i>Solomon, Robert</i>	Springfield
<i>Howe, William</i>	Streator	<i>Spencer, George</i>	Duquoin
<i>Hoye, James</i>	Braidwood		

Certificates of Service—Concluded.

Name.	Postoffice.	Name.	Postoffice.
Stanway, George	Blair	Thompson, John	DeSoto
Stark, Andrew	Galva	Thornton, James	Duquoin
Stewart, David J.	Seatonville		
Stuhlsatz, Michael	Kewanee	Waugh, George, Sr.	Peoria
Sutton, Thomas	Millstadt	Westwood, Thomas	Belleville
Swan, Charles	Oakwood	Wilkin, John B.	Petersburg
Swisher, James E.	St. David	Williams, John	Sato
		Williams, John T.	Coalville
		Williams, Walter	Duquoin
		Wilms, William (d)	Springfield
Teifer, Alexander W.	Morris		
Terrill, Thomas	Colchester		

MINE MANAGERS HOLDING CERTIFICATES OF COMPETENCY AT MINES EMPLOYING NOT TO EXCEED TEN MEN.

Name.	Postoffice.	Name.	Postoffice.
Aby, J. J.	Laura	Balmar, Jno. D.	Bartonville
Adams, J. M.	Denmark	Ball, Samuel	North Alton
Adams, Leonard	Cuba	Banney, H. E.	Abingdon
Adams, John	Willisville	Barbary, Paul	Ava
Adkins, Elmer	Danville	Barber, William	Colchester
Aldrage, John	Danville	Bargreen, Charles	Streator
Aldridge, William R.	Danville	Barkley, Charley	Farmington
Aldrich, M. M.	Geneseo	Barnett, W. M.	Palzo
Ahlgren, Emil	Kewanee	Barter, Charles	Bryant
Alexander, Orie A.	Huntsville	Bass, Oscar J.	Wyoming
Alward, Frank	Canton	Bates, Geo. H.	Kewanee
Allen, James T.	Pleasant Plains	Bates, Wm. T.	Rushville
Allen, W. P.	Spillertown	Bates, Watson	Kewanee
Allen, John A.	Colona	Bath, Isaac	Lewistown
Allen, W. H.	Roadhouse	Bath, Abraham	St. David
Allison, John	Loding	Baugh, William	Henry
Allison, William	So. Moline	Beatty, John T.	Mascoutah
Allison, Elmer	Danville	Beatty, John T.	Mascoutah
Ancerson, Alexander	Sato	Becroft, Lenoard	Atkinson
Anderson, Lee A.	Streator	Beetler, John	Pekin
Anderson, N. C.	Ottawa	Beddow, Benj.	Danville
Anderson, Josh.	Equality	Beers, M. A.	Cable
Anderson, M. H.	Knoxville	Beever, J. H.	Farmington
Anna, Charles	Wataga	Begum, Geo. E.	Ottawa
Argus, Leonard	Belleville	Bell, James	Morris
Arrandale, Jno. W.	Streator	Bell, Charles	Pleasant Plains
Ascraft, J. W.	Mayton	Beltz, Lindolph	Carterville
Aston, Emanuel	Danville	Beltz, George	Carterville
Atkinson, Amos	Colchester	Bennet, Fred	Chillicothe
Atkinson, M.	Kewanee	Benson, John	Winchester
Atkinson, Charles W.	Colchester	Benson, William	Winchester
Auglin, John	Shelbyville	Berry, John	Macomb
Authank, Abraham	Petersburg	Bearry, George E.	Peoria
Avery, Geo. W.	Industry	Berry, Charles	Monica
Avey, Wm.	Belleville	Berry, W. J.	Macomb
Axley, Edward	Roodhouse	Berry, R. M.	Cottage Grove
Aylsworth, John	Frederick	Berry, Wm.	Monica
		Beuer, Jacob W.	Castletown
		Beuer, Joseph	Castletown
Backling, William	East Peoria	Bexton, Wm. G.	Colchester
Backofen, Jacob	Littleton	Biggs, Isaac N.	Tallula
Badders, George	Carrier Mills	Biggs, Henry	Ledford
Bailey, Oliver	Carbondale	Bird, Daniel	Roseville
Baird, W. C.	Carbondale	Birdois, D.	Peoria
Baird, Oswald	Colchester	Birdois, John	Peoria
Bailey, W. R.	Sparta	Bishop, Austin T.	Grape Creek
Baker, L. C.	Oakwood	Bixby, Wm. M.	Blair
Baker, William H.	Industry	Blackburn, Kelly	Johnston City
Baker, Hilan D.	Coal Valley	Blagden, Richard	Leaman
Baker, Joseph	Ottawa	Blackey, Cuthbert	Wyoming
Baker, F. W.	Fairbury	Blank, Louis	Peoria
Baker, Wm. J.	St. David	Blessing, George	East Peoria
Balducche, Lorenzo	Catlin	Blockley, Rufus	Equality
Baldwin, John O.	Equality	Bloom, Charles	Catlin
Bales, Joseph L.	Danville	Biotevagat, William	Worden

Mine Managers (Ten Men). Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Blue, J. W.	Grape Creek	Charnok, Wm.	Victoria
Blue, Ed.	Grape Creek	Chesney, Alonzo T.	Ava
Bode, W. H. H.	Chesterfield	Chilton, Richard	Kewanee
Boden, Ed.	Pre-emption	Chipping, W.	Canton
Boldwyn, T. W.	Vergennes	Chorlton, James	French Village
Boostrom, Ben B.	Wataga	Christman, Charles W.	Sparland
Bonnett, A. H.	Pilot	Church, V. L.	Ava
Bowman, G. W.	Yates City	Clariday, Moody	Carterville
Bowman, T. L.	Industry	Clark, John	Monmouth
Boyer, A. P.	Etherly	Christy, H. S.	Whitehall
Brackhouse, Fred	Chapin	Clark, Samuel G.	Duquoin
Braunaman, F. L.	Danville	Clark, James A.	Equality
Brandt, Jean.	Georgetown	Clark, J. H.	Brimfield
Brandt, Henry C.	Petersburg	Clark, John	Glasford
Brandt, William	Mineral	Clark, W. O.	Exter
Brandt, Louis F.	Mineral	Clarkson, William H.	Edwards
Brannon, James	Grape Creek	Clarkson, Lorenzo	Kickapoo
Brennan, George	Caseyville	Clifford, Geo. L.	Oneida
Brinley, Ross	Danville	Cody, Richard	Peoria
Broderick, Andrew	Danville	Coelspire, G.	Galesburg
Brophy, M.	Shelbyville	Coke, Robert	Marion
Brown, Charles	Marion	Colburn, John R.	Vandercook
Brown, John	Ottawa	Collins, Thomas	Collins
Brown, William S.	Muncie	Collins, A. Y.	Greenfield
Brown, S. C.	Lewistown	Collins, W. N.	Ava
Brown, William	Athens	Collear, Abraham	Pottstown
Brooker, Fred	Lowell	Colwell, Robert	Brimfield
Bryan, John	Grape Creek	Colwell, H.	Duncan
Bryant, S. C.	Grape Creek	Colwell, George	Wyoming
Bryner, Leonidos	Roseville	Covett, Lewis M.	Oakwood
Buchanan, B. M.	Streator	Cook, Charles	Grape Creek
Buffington, Frank	Farmington	Cook, James K.	Etherly
Bullock, Joseph	Collinsville	Cook, W. H.	Alexis
Bullock, Henry	Collinsville	Cook, Louis B.	Etherly
Bullock, Robert	Duquoin	Cook, Wm.	Peoria
Bunt, Joseph	Colchester	Cook, Frank	Belleville
Bunting, C. J.	Danville	Coons, Harvey	Fairview
Burdick, Frank	Industry	Coons, Chas. J.	Fairview
Burk, W. W.	Conant	Cooper, Albert W.	Petersburg
Burney, Ralph	Colchester	Cowens, W. P.	Pinkneyville
Butter, William	Stonefort	Combs, J. W.	Kewanee
Byrnes, John	Brighton	Compton, Archie	Sparland
		Covert, Stephen D.	Danville
		Coulson, Foster	Wyoming
		Cotton, William	Peoria
Cadle, John	Danville	Crain, Willie	Ava
Cagle, William	Frederick	Craig, John W.	Saline
Cagle, John	Littleton	Crawford, W. F.	Collison
Cagdall, A. C.	Stonefort	Cressey, George	Colchester
Cairns, James	Brighton	Cryer, John H.	Morris
Caldwell, Thomas	Avon	Crew, Joseph	Chillicothe
Camey, Robt. P.	Lombardville	Cronister, Henry S.	Salisbury
Campbell, Ed.	White Hall	Crow, S. F.	Stonefort
Campbell, Andrew F.	Roseville	Crow, Wm.	Ava
Campbell, Francis A.	Viola	Croxton, Fred W.	Pleasant View
Campbell, W. R.	Vergennes	Croxton, Walter	Pleasant View
Cameron, Henry	Viola	Crozica, E.	Etherly
Carlson, Alfred	Sunny Hill	Crowse, James W.	Union
Carlson, Andrew F.	Kewanee	Cunningham, Lewis	Danville
Carroll, C. E.	Duncan	Cunningham, R. A.	Cutler
Carroll, Thos. J.	Bunker Hill	Cummings, Wm. M.	Rushville
Carrell, A. J.	Duquoin	Cummins, C. E.	Roodhouse
Carter, Elmer	Camden	Curtiss, Sanford	Rockbridge
Carter, Joe	Kewanee	Curtis, Fred	Macomb
Carter, F. R.	Danville	Cutler, F. H.	Princeville
Carter, Wm. R.	Danville		
Carson, Charles	Piatt		
Carrison, George	Colchester		
Casteter, John	Streator	Dabbles, Joseph	Danville
Casteter, William	Streator	Dabbs, Jesse	Greenfield
Catt, A. G.	Newton	Dainty, Jabez	St. David
Catton, John	West Jersey	Dalrymple, Wm. C.	Neponset
Catton, C. F.	West Jersey	Dalton, Isam	Yates City
Chadwick, E.	Oak Hill	Daniel, Jay	Danville
Charlingsworth, Amos. C.	Fosterburg	Darrah, J. N.	Blandinsville
Charleson, Chas	Wyoming	Daugherty, Robert T.	Table Grove

Mine Managers (Ten Men), Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Davis, J.	Vermont	Emerick, Alonzo	Farmington
Davis, Charles	Abingdon	Ennis, James	Peoria
Davis, Benjamin	Streator	Ensinger, E. E.	Crab Orchard
Davis, T.	Fayette	Entwistle, W.	Colchester
Davis, Chas. R.	Salisbury	Erhardt, Anton	Belleville
Davis, Oscar	Tallula	Erickson, John	Danville
Davidson, Thomas	Griffin	Erickson, August	Galva
Davidson, Bert	Colchester	Ernst, Frank	St. Johns
Dalton, Augustus	Yates City	Espley, J. T.	Morris
Dawson, J. C.	Deer Park Glen	Essex, G. W.	Soperville
Dawson, Wm.	Deer Park Glen	Evans, E. P.	Cuba
Deaton, Abraham L.	Middletown	Evans, W. T.	Cuba
Deaven, Camille	Orchard Mines	Evans, Ed. L.	Streator
Delaney, Thomas	Avon	Evans, Lewis	Kankley
Delony, E. F.	Fairview	Evans, W. L.	Cottage Grove
Delony, Elmer	Fairview	Eveland, Ben	Lewistown
Dempsey, G. F.	Equality	Eyeman, Albert	Lewistown
Dempsey, J. I.	Equality		
DeMoss, Albert	Canton		
DeWolf, Ernest	Victoria	Faylor, John	Pinckneyville
Dewey, David C.	Wyoming	Fairley, R. J.	Cambridge
Denton, Fred	Petersburg	Fairley, John	Cambridge
Dickinson, Joseph (d.)	Norris	Farrell, Hugh	Monica
Dickson, Wm. W.	Colchester	Faust, Jacob	Pinckneyville
Deitrich, Philip	Freeburg	Fellows, C. P.	Schuline
Dills, Martin	New Burnside	Fenwick, Geo. A.	Danville
Dilts, Harvey	Glasford	Finnell, Wm.	Middle Grove
Dilts, Claud C.	Fairview	Filker, George	Farmington
Dixon, A.	Princeville	Fink, Frank	Truro
Dixon, J. E.	Kewanee	Fish, William	Appleton
Docherty, Jos. R.	Pre-emption	Fisher, W.	Murrayville
Dodds, T.	Lafayette	Fisher, N. J.	East Peoria
Doering, Wm. F.	East Peoria	Fisher, Alcide	Brighton
Dolan, Peter	Wataga	Flemming, Thos.	Morris
Doner, Louis	Green River	Fletcher, Charles	Princeton
Donahue, Edward	Sheffield	Flynn, William	Briar Bluff
Dorsey, Charles W.	Kedson	Foley, William H.	Mapleton
Doty, L. B.	Truro	Forester, W. M.	Equality
Doughterty, P.	Pre-emption	Fouraker, William	Marietta
Dowell, Allen B.	Campbell Hill	Foster, Geo. W.	Colchester
Downing, Chas.	Danville	Foster, Thurman	Carbondale
Downing, Edward	St. David	Foster, D. I.	Rapatie
Drake, Stephen A.	Canton	Fox, Thomas	Lewistown
Draper, A. L.	Vandercook	France, Wesley	Fairmount
Dryer, Andrew	Danville	France, Michael	Fairmount
Dudley, Z. F.	Knoxville	Francis, Wm. G.	Streator
Duff, Robert G.	Kewanee	Francis, C. W.	Catlin
Duffield, H. H.	Glasford	Frazell, C. A.	Farmington
Dull, E. B.	Tennessee	Frederickson, Andrew	Danville
Duncan, John	Sheffield	French, Strawther	Bradford
Dunn, Harvey	Osceola	French, Alonzo	Yates City
Duntun, John	Canton	Frisby, E. O.	Sparland
Durrant, H.	Brimfield	Frisby, W. E.	Sparland
Durham, Simon	Canton	Frost, Michael	Danville
Dunsford, Charles	Absher	Fry, John	Ray
		Fuller, James K.	Modena
		Fustin, William	Marion
Ebel, August	Belleville		
Eccles, Frank	North Alton	Gaddis, Ed.	Hudgens
Edison, James	Ottawa	Gahn, Henry	Marion
Edwall, C. W.	Galva	Gainey, Wm. T.	Carbon Cliff
Edwards, Thomas	Streator	Gallagher, W. F.	Mode
Edwards, Robert	Ava	Gallowry, John	Glasford
Edwards, T. J.	Crab Orchard	Galbraith, Zacharias	Morris
Edwards, Geo.	Huntsville	Gaines, Thomas	Carbon Cliff
Edwards, David L.	Coal Valley	Garland, Samuel	Kewanee
Edwards, A. G.	New Burnside	Gary, George	Ray
Edwards, John	Danville	Geisler, Henry	Brighton
Elmwood, A. B.	Kewanee	Gedelman, E. F.	Freeburg
Elker, Geo. L.	Knoxville	Gensol, Joseph	Lewistown
Elliott, James	Caseyville	Giebelhausen, Gus E.	Peoria
Elliott, Matin O.	Fairview	Gergens, Martin	Pinckneyville
Elliott, Colvin	Fairview	Gerlach, Geo. F.	Sparta
Ellis, Ross M.	Danville	Gilbride, Frank	Morris
Emberling, Geo. H.	Ellisville		

Mine Managers (Ten Men), Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Gilderoy, W. W.	Monmouth	Heintz, A. F.	Kickapoo
Giles, R. W.	Danville	Heitzman, Jacob	Bartonville
Gillette, Charles	Elmira	Heitzman, Xaver	Bartonville
Gillis, Neal M.	Winchester	Hendee, Isaac	Bernadotte
Gillis, Fred F.	Danville	Henry, Samuel	Danville
Gilligan, Jackson	Industry	Henson, John E.	Denmark
Gladfelter, C. W.	Victoria	Hennemann, Charles	Belleville
Gladwell, David	Breeds	Herman, John	Oraville
Glenn, John	Briar Bluff	Herman, John	Kewanee
Goble, Frank M.	Industry	Hickstrom, E.	Victoria
Golden, James	Kewanee	Herrington, Thomas	Princeton
Golden, Richard	Kewanee	Herseman, Herman	East Peoria
Goode, Joseph	Lombardville	Hewitt, William B.	Chenoa
Goss, Samuel	Norris	Hews, W. B.	Canton
Goody, W. S.	Brimfield	Hibberd, Lewis W.	Peoria
Grant, August	Kewanee	Hickson, David	Ottawa
Gray, Ernest	Kewanee	Hicks, Wm. E.	Crab Orchard
Greear, William	Coal Valley	Hickman, Willis	Frederick
Green, Samuel J.	Colchester	Hickman, John	Chapin
Green, Henry	Canton	Higbee, Lawrence	Princeville
Green, Clarence	Sparland	High, Charles	Danville
Green, Milton	Keithsburg	Hissong, Charles	Tilden
Grice, Albert	Kewanee	Hibbard, George A.	Limestone
Griffiths, Edward	Roodhouse	Hilliard, E.	Colchester
Griffiths, Thomas W.	White Hall	Hillier, Walter T.	Carbondale
Griffiths, D.	Caseyville	Hillier, Jesse	Rapatee
Griffiths, James	Grape Creek	Hind, Robert	Salisbury
Griffiths, Joseph F.	Moline	Hinderer, Frank	Frederick
Griggs, Allison	Brimfield	Hoar, William	Colchester
Grim, David J.	Victoria	Hobby, Wm. H.	Colchester
Grossman, Louis	Smithton	Hodge, S. M.	Danville
Grossweller, Joseph, Jr.	Pekin	Hodge, John W.	Rushville
Groth, John	Carbon Cliff	Hodge, Benjamin, A.	Danville
Groy, Max	Kewanee	Hodgett, Absalom	Kewanee
Guckert, P. P.	Hampton	Hodgson, Wm.	Colchester
Gunnert, A. J.	Fairview	Hodson, James	Danville
Gurten, Louis	Pinckneyville	Hoenback, Wm. E.	Rapatee
Gustafson, Edward	Wanlock	Hogereamp, Walter	Pontiac
Guy, Thomas	Colchester	Hohimer, Harry	Petersburg
		Holley, Wm. G.	Wyoming
		Holman, W. A.	Vandercreek
Hagey, Wm. H.	Lewistown	Homer, R. H.	Lebanon
Haiding, James A.	Wyoming	Horrocks, Benj.	Henry
Hall, John	Colchester	Hosby, Joseph	Danville
Hall, John	Grape Creek	Houseman, Fred	Fosterburg
Hall, Charles	Dunfermline	Howard, Daniel	Georgetown
Hall, Geo. W.	Newton	Howard, Charles	Modena
Hallar, W. C.	Canton	Howe, Wm.	Streator
Hamilton, Gail G.	Westville	Huber, W. H.	Lewistown
Hamilton, John W.	Frederick	Hughes, John	Petersburg
Hamilton, John	Cuba	Huffman, Wm.	Pre-emption
Hamilton, William	Westville	Huggins, L. D.	Canton
Hammon, John, Jr.	Millstadt	Huggans, D. E.	Streator
Hammett, Otho J.	Chillicothe	Hudson, Samuel	White Hall
Handly, John L.	Coal Valley	Humes, Michael	Colchester
Haney, J. B.	Exeter	Hummel, John A.	St. Johns
Hanmann, Wm.	Okawville	Hunter, Horace L.	Briar Bluffs
Harbaugh, Geo. W.	Chesterfield	Hurst, John	Belleville
Harnisch, Ernest	Brighton	Hurst, Lot	Bartonville
Harpole, Geo.	Golden Eagle		
Hartman, Geo.	Millstadt		
Harrington, Frank	Farmington	Isackson, Martin	Wataga
Harrington, D.	Danville	Isaacson, P. O.	Wataga
Harris, A. J.	Tilton	Ingram, Robert H.	Sparlaud
Harris, David	Hanna City	Ingram, J. S.	Harrisburg
Harris, Oliver	Canton	Ingram, Amos	Marion
Harris, James S.	DuBois	Irwin, James	Green River
Harris, Hardy	Catlin	Irwin, Fred	Smithton
Harman, John	Peoria	Irwin, Harry	Petersburg
Harvey, John	Murphysboro	Ivans, W. A.	Cottage Grove
Haskins, Alfred	Grape Creek		
Hatfield, Charles	Danville		
Hauck, Henry L.	Fosterburg	Jacobs, John	Wataga
Havens, Bert	Truro	Jacobs, Claude	Danville
Hayes, C. G.	Kewanee	Jacobs, Ora E.	Bradford
Hayes, C. L.	Brimfield	Jacquot, Angustare	Danville
Heathcock, George	Princeton	Jack, John	Marion
Heather, James	Morris		

Mine Managers (Ten Men), Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Jamieson, E. J.	Loding	Knickerbocker, Edwin	Fairview
Jamieson, Guy	Loding	Kirkbridge, John	Vermont
Jarrell, Miles	Cottage Grove	Knoth, John	Roodhouse
Jayne, Richard	Cuba	Kohlman, Fred	Rapid City
Jenkins, D. A.	Danville	Kortkamp, A.	North Altou
Jenner, A. T.	Pineckneyville	Kras, Frank	Edwardsville
Jennings, P. M.	Industry	Kund, Gustave	Exeter
Johnson, Arthur	Belleville		
Johnson, Albert	Victoria		
Johnson, C. E.	Canton	Lamay, David	Monica
Johnson, Gus	Kewanee	Lamb, Edwin	Kewanee
Johnson, Cornelius F.	Middletown	Lamb, John	Maple Hill
Johnson, Ashford	Hanna City	Lambert, Austin H.	Keensburg
Johnson, J.	Farmington	Lane, James	Peoria
Johnson, Benjamin	Smithboro	Laity, Richard	Colchester
Johnson, J. E.	Dnnfermline	Lauf, Jacob	Belleville
Johnston, James H.	Wyoming	Lauer, Nick	Pineckneyville
Jones, W. L.	Bradford	Lawrien, John	Old Berlin
Jones, C. S.	Sato	Lealard, John	Grape Creek
Jones, W. W.	Bradford	Lebendorfer, C. W.	Pre-emption
Jones, A. J.	Peoria	Lee, Thomas	Youngstown
Jones, William	Colchester	Lee, James	Alexis
Jones, A. H.	Colchester	Lee, Frank	Breeds
Jones, James A.	Winchester	Lee, John	Breeds
Jones, James H.	Streator	Leeper, Charles W.	Cable
Jones, John L.	Peoria	Lendquist, O. W.	Equality
Jones, Jackson	Winchester	Leeper, Charles W.	Galesburg
Jones, W. H.	Catlin	Leverich, O. G.	Danville
Jones, Wm. J.	Kewanee	Lewis, Charles E.	Cambridge
Jones, Evan A.	Catlin	Lewis, Thomas	Carterville
Jones, Arthur	Viola	Liewrance, B.	Youngstown
Jones, Thomas	Peoria	Lillman, Alfred	Cable
Jones, Andrew	Winchester	Lincoln, E.	Kewanee
Jones, William	Mapleton	Lind, Charles	Danville
Jones, John	Clark City	Linden, P.	Canton
Joos, Conrad	Peoria	Lind, August	Danville
Joedan, Will	St. David	Lindbeck, P.	Wataga
Jordan John L.	Trivoli	Lindsay, P. A.	Middle Grove
Jordan, E. S.	Newton	Lingast, L.	Grape Creek
Joubost, George	Grayville	Lingenfelter, J. R.	Canton
Jourdan, Wm. L.	Smithton	Link, Alex E.	Sunny Hill
Joyce, C. T.	Canton	Little, George	Roseville
		Little, John T.	Roodhouse
		Little, J. H.	Roodhouse
		Littlefield, Joseph	Brimfield
Kabel, Hermau	Moro	Lively, James	Freeburg
Kabel, Geo.	Moro	Llewellyn, Edw.	Danville
Kavanaugh, J. A.	Colchester	Lloyd, Elisha	Danville
Kay, James	Atkinson	Lloyd, Benj. F.	Danville
Kay, William H.	Morris	Lloyd, D. E.	Danville
Kay, Bert	Atkinson	Long, C. E.	Danville
Kay, Robert	Briar Bluff	Lockane, David L.	Lewistown
Kay, William G.	Atkinson	Lock, Wm. H.	Cuba
Kelly, Thomas	Grape Creek	Lodging, E.	Lodging
Kelley, George I.	Ramond	Loper, J. B.	Chesterfield
Kear, George G.	Sparland	Lord, James	Galva
Kearney, John	Shelbyville	Lowry, Samuel	Lewistown
Keel, W. L.	Stonefort	Loy, D. O.	Atkinson
Keen, A. G.	Friendsville	Lucking, Edward J.	Fosterburg
Kemerling, James	Sheffield	Lucking, Lewis	Brighton
Kempin, Henry	Kewanee	Lucking, Chas. H.	Brighton
Kerr, William	Rushville	Lunceford, John H.	Bunker Hill
Kershaw, J. W.	Briar Bluff	Luehrs, G. Henry	Campbell Hill
Kidd, J.	Roseville	Lyle, Charles W.	Brighton
Kielhorn, Wm. C.	Shawneetown	Lyons, Maxwell	Coal Valley
King, Ambrose L.	Victoria		
King, D. B.	Ellisville		
Kilgore, Wm. T.	New Burnside		
King, Joseph	Pekin	Mable, William	Fairview
King, Henry R.	Campbell Hill	Magnusson, Elof	Danville
King, Isaiah	Wyoming	Magee, Patrick	Breeds
Kingston, Paris	Equality	Mahler, G. W.	Ray
Kimes, Oscar	Streator	Malone, Harry	Duquoin
Kipling, William	Colchester	Mallergren, James W.	Petersburg
Klingenfus, Emil	Belleville	Maines, William	Golden Eagle
Kineman, John	Ipava	Mansill, Richard	Rock Island

Mine Managers (Ten Men), Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Market, Albert.	Roodhouse.	Morris, Mordica.	Fiatt.
Martin, A. M.	Greenfield.	Morris, Geo. J.	Millersburg.
Martin, William, Sr.	Colchester.	Morgan, Charles.	Oneida.
Martin, G. W.	Loac.	Morgate, W. B.	Cuba.
Martin, J. B.	Laoc.	Mordue, Geo.	Colchester.
Martin, J. W.	Farmington.	Mosher, Charles.	Etherly.
Martin, Fred.	Peoria.	Moss, Oliver.	Vergennes.
Martin, John H.	Canton.	Morton, T. J.	Danville.
Martin, Patrick.	Peoria.	Mowbray, Jno.	Atkinson.
Martin, William, Jr.	Colchester.	Muir, George.	Victoria.
Martin, David A.	Canton.	Muir, Richard.	Peoria.
Martin, Geo.	Kewanee.	Munts, William.	Streator.
Marriage, Joseph.	Grape Creek.	Mulvany, Chris.	Farmington.
Marxer, Joseph.	Millstadt.	Murphy, Fred.	Belleville.
Marshall, G. A.	Cuba.	Murphy, Led.	Monmouth.
Marshall, J. C.	Caseyville.	Murphy, Hiram.	Macomb.
Mason, Frank A.	Carbondale.	Murphy, James.	Belleville.
Marley, Richard.	Adkinson.	Murphy, J. J.	Fairview.
Marley, Robert.	Adkinson.	Murphy, Chas. H.	Canton.
Margins, D. J.	Cuba.	Murphy, W. H.	Canton.
Massey, Jesse.	Streator.	Murchein, Kenneth.	Kewanee.
Mathew, T. J.	Stonefort.	Murray, Samuel.	Monmouth.
Matsinger, Theodore.	Crab Orchard.	Mustard, Elijah.	Canton.
Matson, Andrew.	Williamsfield.	Muzzy, William H.	Peoria.
Mauck, Joseph.	Danville.	Myers, W. H.	Carbondale.
Mauck, L. F.	Danville.	Myers, Geo.	Ottawa.
Maywood, Henry.	Gilchrist.	Myers, Perry.	Bethalto.
May, James.	Lewiston.	Myers, Chas. A.	LaHarpe.
Mcdearis, Jas.	Henry.	McAnnally, Jno.	North Alton.
Meiker, R. F.	Danville.	McBride, W. T.	Fairview.
Melvin, Leo.	Kewanee.	McBroom, Charles.	Canton.
Melvin, R.	Kewanee.	McBroom, Mahlon.	Canton.
Mellegram, John.	Petersburg.	McCartney, C. T.	Alexis.
Meller, Louis.	Brighton.	McDaniel, Chas. C.	Wyoming.
Memmer, L.	Canton.	McClure, Marion.	Colchester.
Mercy, Geo.	St. David.	McCullough, Jas.	Ottawa.
Mercer, L. W.	St. John.	McCoun, Milo.	Cartersville.
Mercer, Robert.	Vermont.	McDaniels, Theodore T.	Wyoming.
Morrow, G. W.	Crab Orchard.	McDonald, Samuel.	Moro.
Merrill, R. M.	Campbell, Hill.	McElwee, Charles P.	Winchester.
Meredith, A. R.	Herrin.	McGovern, T. B.	Oneida.
Mescher, W. T.	LaHarpe.	McGovern, S.	Oneida.
Mertz, Wm. M.	Ottawa.	McGee, Mike.	Johnston City.
Miller, B. F.	Viola.	McGuire, John.	Alsey.
Miffs, Henry.	New Douglas.	McGuire, Patrick.	Winchester.
Milan, Daniel.	Soperville.	McIntire, Geo.	Industry.
Milan, Joseph.	Soperville.	McIntire, James.	Aledo.
Meyer, John.	Victoria.	McKanahan, Szmuel R.	Alexis.
Meyer, John W.	Laura.	McKane, R.	Galva.
Miller, William.	Caseyville.	McKeen, William H.	Danville.
Miller, George A.	Danville.	McKiney, Charles.	Cottage Grove.
Miller, Silas.	Grape Creek.	McLain, William H.	Equality.
Miller, Elzia.	Grape Creek.	McLaughlin, Joseph.	R. F. D. No. 5.
Miller, Smith.	Mapleton.	McMichael, T. M.	New Burnside.
Miller, L. S.	Grape Creek.	McMilan, William J.	Streator.
Miller, George A.	Danville.	McNaught, Henry.	Williamsfield.
Miller, C. G.	Youngstown.	McNeil, Wm.	Griffin.
Miller, Wm. J.	Cable.		
Mitchell, J. C.	Derby.		
Mitchell, Robert T.	Prairie town.	Nace, C. B.	Farmington.
Mitchell, Robert J.	Shawneetown.	Neave, James.	Mineral.
Mobaker, John.	Danville.	Neal, William.	Bunker Hill.
Molloy, John.	North Alton.	Nelson, James.	Knoxville.
Monroe, Archie.	Carriers Mills.	Nee, John J.	Colchester.
Montgomery, John.	DeSoto.	Nelson, Louis.	Streator.
Montooth, Chas.	Bradford.	Nelson, Neis.	Ottawa.
Mootman, Mark.	Illinois City.	Nelson, John S.	Morris.
Morrison, Alva.	Modena.	Nelson, Chris.	Chandlerville.
Morse, F. H.	Middle Grove.	Nelson, Andrew.	Fairview.
Moore, John K.	Orien.	Nenneker, Andy.	Bushnell.
Moore, Nanly.	Saline Mines.	Nenneker, Fred.	Bushnell.
Moore, W. F.	Victoria.	Nesbit, Thomas.	Ava.
Moore, Sim J.	Cottage Grove.	Neville, Wm.	Catlin.
Moran, Michael F.	Sheffield.	Newell, J.	Sparland.
Morrison, D. D.	Danville.	Newton, F. B.	Modena.

Mine Managers (Ten Men), Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Robinson, William H.	Macomb	Smith, Geo. W.	Colechester
Roberts, Evan D.	Streator	Smith, James	Princeton
Roberts, David	Orchard Mines	Smith, B. F.	Modena
Roberts, Henry F.	Modena	Smith, John	Frederick
Roddiss, Charles	Ipava	Smith, Arthur	Vermont
Roddiss, William	Ipava	Smith, Thomas B.	Streator
Rodamski, Wm.	Gilchrist	Smith, Thomas	Ottawa
Rodell, Frank	Wataga	Smith, Charles	Sparland
Rogers, David	Kickapoo	Smith, John	Danville
Rohr, Joseph C.	Alexis	Smith, Leonard	Atkinson
Roland, Adolph	Grape Creek	Smith, Samuel S.	Canton
Romine, Wilson	Youngstown	Sornberger, John	Victoria
Romine, William	Roseville	Sowerly, Joseph	Streator
Ronk, G. H.	Canton	Spangler, H.	Danville
Roosa, John	Brimfield	Spangler, Charles	Danville
Roosa, V. L.	Pleasant View	Sparks, Charles	Crab Orchard
Rose, James	Equality	Sparks, Edgar	Astoria
Rowden, C. F.	Cuba	Spencer, Charles	Victoria
Royse, Sylvester	South Danville	Spiller, Henry	Herrin
Ryan, Philip	Ashland	Spitzner, Jacob	Equality
Russell, John R.	Danville	Sponsier, Elmer	Carbondale
		Springman, Ed	Brighton
		Springs, B. H.	Pinckneyville
Sackville, James	Coal Valley	Stader, W. H.	Equality
Sample, John	Laura	Starick, A. J.	Marion
Saunders, W. G.	Monica	St. Clair, James A.	Macomb
Saunders, David T.	Peoria	Stevens, Isaac	Cuba
Sauppe, John J.	Peoria	Staton, Joseph	Pekin
Savill, Charles A.	Canton	Sterling, B. H.	New Athens
Savill, Jesse	Modena	Stevens, John	Cuba
Scanlon, M. C.	Canton	Stewart, Wm	Colechester
Schaffer, William	Danville	Steiner, Daniel F.	Atkinson
Shilling, Dominic N.	Belleville	Stine, William	Danville
Schmidt, August	Millstadt	Stocker, Jacob F.	Arenzville
Schmidt, George	Millstadt	Stoeck, Edward	Carbon Hill
Schmidt, John J.	East Peoria	Stone, Isaac	Colechester
Schmidt, Louis	Peoria	Stone, William	Colechester
Schmidgall, Jno. L.	Murphysboro	Stone, Charles	Colechester
Schneider, Joseph G.	Pinckneyville	Stone, Thomas	Carbon Cliff
Schoite, William	Kickapoo	Stoneking, A. L.	Fandon
Schroeder, Fred C.	Coal Valley	Stoneking, G. W.	Birmingham
Schultz, Fred	Braceville	Stookey, Elijah	Colechester
Schuster, John E.	East Peoria	Storey, Harry	Toulon
Schmitt, J. B.	Virgeness	Stout, M. J.	Fairview
Scott, John	Modena	Straley, J. E.	Canton
Scott, James	Wyming	Straley, James H.	Norris
Scott, Frank	Danville	Strand, Charles	Roseville
Selbrick, J.	Monmouth	Stretch, William	Shelbyville
Sebek, John	Braidwood	Strewbinger, Conrad	French Village
Sellars, George	Winchester	Street, A. R.	Peoria
Seffer, Henry	Peoria	Stricklin, Thomas A.	Marion
Sergeant, Frank	Belleville	Stocton, O. F.	Rushville
Schaffer, Michael	Ava	Strong, Ralph	Pleasant View
Shafer, Solomon	Summun	Strong, William	Junction
Shea, John G.	Danville	Strong, J. P.	Shawneetown
Sherbine, Abe	Macomb	Stufflebeam, Marion	St. David
Sherrett, James	E. Peoria	Stroud, William	Marion
Sherman, Opp	Collinsville	Suggert, William	Breeds
Shreffler, R. D.	Pekin	Suggert, William	Breeds
Shelton, W. J.	Cottage Grove	Summerson, John	Coal Valley
Shepherd, Wm. A.	Catin	Summerson, Robt.	Coal Valley
Shore, William	Chandlerville	Suydam, John	Victoria
Silvis, S.	Carbon Cliff	Swanson, Axel	Cable
Simmons, Alfred B.	Roodhouse	Swanson, Otto	Cable
Simons, William H.	Monica	Swanson, Andrew	Colechester
Sincox, John	Alexis	Swanson, John	Danville
Simpson, Charles	Wataga	Sweeney, Charles P.	Vermont
Simpson, Newton M.	Ray	Swafford, William	Duquoin
Simpson, Joseph	Youngstown	Swan, Chas. W.	Marion
Simpson, Gust A.	Oneida	Switzer, James	Astoria
Sitting, H. P.	Stonefort	Swisher, John	Danville
Silment, James	Center Station	Swisher, Trumont	Danville
Sloan, Miles B.	Etherly	Swope, George	Ipava
Smith, John	Atkinson	Sydall, Peter	North Alton
Smith, A. J.	Saline Mines		

Mine Managers (Ten Men), Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Tarpley, W. S.	Marion.	Wagner, John W.	Millstadt.
Tanner, Anderson	Absher.	Waine, James	Atkinson.
Tattersoll, George.	Seneca.	Wainwright, Arthur.	Sweetwater.
Taylor, James.	Belleville.	Wahlburg, Albert.	Knoxville.
Taylor, Robert.	Princeton.	Walck, Peter S.	Farmington.
Taylor, Francis.	Blandinsville.	Walker, James.	Mapleton.
Taylor, Jno. S.	Neponset.	Walker, Otis.	White Hall.
Taylor, J. W.	New Burnside.	Wallis, D. J.	New Burnside.
Taylor, Samuel.	Avon.	Walsb, John.	Truro.
Teague, James.	Winchester.	Walsb, John.	Milan.
Teel, James.	Industry.	Walton, A. W.	Princeton.
Teel, Aaron.	Onida.	Ward, J. D.	Pulley's Mill.
Telfer, John K.	Morris.	Watkins, W. J.	Danville.
Telfer, John W.	Morris.	Waystaff, Charles.	Murrayville.
Tesdale, Henry.	Morris.	Watkins, Joe.	Chenoa.
Thomas, Lewis E.	Danville.	Watts, Alexander.	Paris.
Thompson, Jacob.	Grape Creek.	Watson, William.	Wyoming.
Thompson, James F.	Ray.	Watson, James.	Carterville.
Thompson, D. L.	Marion.	Waugh, Robert.	Equality.
Thompson, Joseph.	Etherly.	Wayland, James.	Colchester.
Thompson, Joe.	Grape Creek.	Weimer, J. R.	Cambridge.
Thompson, John D.	Macomb.	Wearmouth, Thomas.	Youngstown.
Thom, Benjamin.	Etherly.	Webster, T. J.	Danville.
Thomas, William.	Streator.	Webster, William.	Colchester.
Thomas, James.	Danville.	Webster, A. J.	Danville.
Thomas, George.	Sheffield.	Wellman, John N.	Paris.
Thomas, Samuel.	Catlin.	Weiss, W.	Belleville.
Thurston, John H.	Wyoming.	Wells, E. W.	Briar Bluff.
Tillery, Wm.	Duquoin.	Welford, T. H.	Absher.
Tingley, Perry J.	Vermont.	West, John C.	Pine Grove.
Todd, Ralph.	Kewanee.	West, John A.	Pine Grove.
Todd, Geo. B.	Catlin.	Westerby, George.	Farmington.
Todd, John.	Victoria.	Westerlund, John.	Streator.
Toney, A.	Grape Creek.	Whalen, M., Jr.	Colchester.
Tomkins, C. S.	Mineral.	Wheelhouse, Samuel D.	Rushville.
Tompkins, Harvey.	St. David.	Whittaker, Aaron.	Roodhouse.
Towner, L. H.	Bluff City.	White, Charles F.	Danville.
Tracy, Edwin F.	Beardstown.	White, Charles.	Wyoming.
Treasurer, William.	Essex.	White, M. C.	Pawnee.
Travelstead, J. W.	Stonefort.	White, Henry.	Elmwood.
Tucker, Charles.	Mineral.	White, William J.	Bartonville.
Tucker, Edward.	East Peoria.	White, John A.	Frederick.
Tucker, P. F.	Whitehall.	Whites, Fred.	Canton.
Tulk, M. B.	Colchester.	Whitehurst, M. V.	Tallula.
Tully, P. F.	Brimfield.	Whitehead, John.	Maple Hill.
Turner, John.	Lewistown.	Wynn, William E.	Coal Valley.
Turner, George.	Lewistown.	Wickweier, H. H.	Oak Hill.
Twiney, William A.	Shelbyville.	Wilkinson, M. C.	Danville.
Tygett, John.	Carbondale.	Wilcox, Wilson.	Astoria.
Tyla, H.	Wataga.	Wilkins, Jefferson.	Hedron.
Tyler, Church.	St. David.	Willey, Hiram.	S. Danville.
Tyson, Thomas.	Marion.	Williams, Joseph.	Mode.
		Williams, Andrew.	N. Alton.
		Williams, James F.	Kewanee.
		Williams, Jerome.	Tiskilwa.
		Williams, Joseph.	Pre-emption.
		Williams, W. J.	Colchester.
		Williams, W. P.	Laoc.
		Williams, Oren.	Tiskilwa.
		Williams, Daniel.	Rapatee.
		Williams, Alfred.	Boden.
		Williams, Dan.	Canton.
		Wilkinson, J. F.	Grape Creek.
		Willis, Alex.	Oraville.
		Willis, Charles.	Mapleton.
		Wilson, George.	West Jersey.
		Wilson, John.	Colchester.
		Wilson, M. H.	Duquoin.
		Wilson, A. E.	Macomb.
		Wilson, Thomas E.	Blandinsville.
		Wilson, Joseph.	Swan Creek.
		Wilson, Anthony.	Danville.
		Wilson, George.	Marion.
		Wilson, Arthur.	Carterville.
		Winstead, Thomas.	Rio.
Underwood, J. H.	Equality.		
Vandyke, William.	Canton.		
Van Norman, Samuel P.	Mapleton.		
Van Norman, Norman.	Peoria.		
Von Ach, Jr., Fred.	Hampton.		
Varner, Wilson.	Marletta.		
Vaughn, Eliah.	Jubilee.		
Vaughn, William.	Jubilee.		
Vaught, John H.	Shawneetown.		
Vezata, George.	Ottawa.		
Vice, Henry.	Fairview.		
Vickery, Henry.	Pottstown.		
Vogt, Leon.	Shawneetown.		
Vonach, Henry.	Cuba.		
Wages, E.	Canton.		
Wager, August.	Kewanee.		
Wagner, Louis M.	Belleville.		

Mine Managers (Ten Men), Certificates of Competency—Concluded.

Name.	Postoffice.	Name.	Postoffice.
Willey, Lincoln.....	Macomb.....	Woodward, W.....	Soperville.....
Winchouse, W.....	Danville.....	Woodward, Frederick.....	Fairmount.....
Wings, James.....	LaHarpe.....	Wonders, Henry.....	Streator.....
Wirming, Robert.....	Sato.....	Worthington, H.....	Streator.....
Wisley, H. C.....	Vergennes.....	Wren, T. K.....	Morris.....
Wiseman, Ernst.....	Peoria.....	Wright, Joseph.....	Fairbury.....
Witt, John D.....	Paris.....	Wright, Hiram.....	Danville.....
Wolf, Jacob.....	Danville.....	Wytycherly, Ed.....	Peoria.....
Wolf, Theodore.....	Bethalto.....		
Wonderling, Henry.....	Danville.....		
Wood, Benjamin.....	Pinckneyville.....	Yerman, Timothy.....	Cuba.....
Woodcock, William H.....	Etherly.....	Young, John A.....	Cartersville.....
Wood, Samuel.....	Saline Mines.....	Young, S. J.....	Griffin.....
Woodbury, John.....	Green River.....		
Woodcock, Edward.....	Dunfermline.....		
Woods, James.....	St. David.....	Zetter, Albert.....	Freeburg.....
Woodard, John.....	Oakwood.....	Zink, G. W.....	Peoria.....
Woodbridge, Thos. H.....	Marion.....	Zah, John.....	Mt. Pulaski.....

HOISTING ENGINEERS HOLDING CERTIFICATES OF COMPETENCY.

This list includes all the hoisting engineers to whom certificates have been issued prior to January 1, 1908.

Name.	Postoffice.	Name.	Postoffice.
Abcock, C. F.	Nilwood	Baird, Robert	Sparta
Ablen, Henry	Breese	Baker, Darius N.	Spillertown
Adams, Nelson	Lincoln	Baker, F.	Springfield
Adams, William H.	Braidwood	Baker, James E.	Westville
Ainsworth, Samuel, Jr.	Taylorville	Baker, C. H.	Fairmount
Aitken, T. G.	Tilden	Balser, Henry	Springfield
Aitkens, William	Herrin	Barnhill, H. G.	Assumption
Aitken, J. S.	Tilden	Barnhill, H. G.	Kinmudy
Alexander, Henry	Oglesby	Barnhill, Oscar B.	Herrin
Alexander, W. A.	Roseboro	Barnes, Harry	Norris City
Allan, Edward	Collinsville	Barber, C. E.	Duquoin
Allan, Joseph	Collinsville	Barber, C. W.	Duquoin
Allen, David	Collinsville	Barber, William G.	Tilden
Allen, C. E.	Troy	Barber, Harry	Tilden
Allen, C. H.	Seneca	Barr, Frank	Centralia
Allgood, William	Springfield	Bartram, Perry	Ladd
Altman, H. P.	Collinsville	Barton, C. W.	Cable
Anderson, Henry	Lincoln	Barton, Charles W.	Fairmount
Anderson, J. F.	Pinckneyville	Bateman, Harry	Murphysboro
Anderson, W. C.	Elmwood	Bateman, R.	Murphysboro
Anderson, Norman A.	Princeville	Bates, Thomas W.	Winchester
Anderson, Z. B.	Sparta	Bath, Ameston	Cuba
Anderson, Charles E.	Belleville	Barwick, Charles	Carterville
Andrews, Solomon	Girard	Baumgartner, George J.	Edwardsville
Andrews, F. R.	Barclay	Beard, Charles A.	Streator
Anthony, John C.	Belleville	Beam, Amos	Tice
Appleby, John	East Peoria	Beatty, James H.	Mascoutah
Appleton, Thomas	Virden	Beatty, George W.	Mascoutah
Archer, Joseph	Barclay	Beatty, Neptha	Mascoutah
Archibald, David	Freeburg	Beck, Peter L.	Springfield
Armentrout, Martin	Duncan	Becker, Fritz	Mt. Olive
Armstrong, W. B.	Harrisburg	Beckkham, John J.	Glen Carbon
Armstrong, C.	Muncie	Becker, F. M.	Sandoval
Armstrong, William C.	Marion	Beharelle, Alfred	Mapleton
Arterberry, Albert	Carterville	Behrend, A. D.	Springfield
Ashcraft, Charles C.	Pana	Beeby, William	Springfield
Ashman, Joseph L.	Murphysboro	Beese, John E., Jr.	Belleville
Ashman, Joseph	Murphysboro	Beese, Charles H.	Belleville
Ashman, Oscar	Murphysboro	Beeney, Richard	Peoria
Atkin, Robert R.	Tilden	Bell, Chris	Sherrard
Athons, Arthur N.	Decatur	Bell, Mark	Danville
Atwater, Stephen	Clark City	Bell, Frank	Tallula
Atwood, Newton F.	Johnston City	Belt, W. H.	Centralia
Aughton, Robert H.	Lincoln	Belts, Joseph E.	Belleville
Averill, C. P.	Colchester	Beltz, Joseph L.	Eldorado
Avery, William	Lenz Station	Beltz, A.	Equality
Ax, Henry	Edwardsville	Bent, Austin	Seatonville
		Bennett, William	Staunton
		Bennight, J. E.	Pawnee
Bailey, Charles	Sunfield	Bently, George	Springfield
Bailey, James F.	Westville	Benton, Poolie R.	Herrin
Balwir, John	Braidwood	Benvenuto, Charles	Dawson
Bailey, Robert	Sunfield	Berens, Peter H.	Coal City

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Berg, John.....	Mt. Olive.....	Brown, Thomas.....	Moweaqua.....
Berkley, N. T.	Cuba.....	Brown, William F.....	Pontiac.....
Bertin, Henry.....	Pana.....	Brown, William H.....	Duquoin.....
Bickerstoff, A. H.....	Eldorado.....	Brown, Edward E.....	Sparta.....
Bienert, J. O.....	Spaulding.....	Brown, William.....	Murphysboro.....
Bigelow, A. E.....	Spaulding.....	Brown, Marion.....	Taylorville.....
Bigelow, George F.....	Spaulding.....	Brown, Lindolph.....	Marion.....
Biggs, W. A.....	Herrin.....	Brubeck, John W.....	Pawnee.....
Birzele, Jacob.....	Girard.....	Bruggemann, Michael A.....	Belleville.....
Bixby, Chas. N.....	Sparta.....	Bruggeman, George.....	Nashville.....
Blake, Albert.....	Streator.....	Bruce, James.....	Athens.....
Blackman, Ben.....	Dawson.....	Bryant, Harry E.....	Stanton.....
Blackok, Charles F.....	Niantic.....	Buckley, Calvin W.....	Spaulding.....
Blair, George.....	Streator.....	Buckellon, Clarence.....	Catlin.....
Blue, Jesse.....	Norris.....	Buck, W. L.....	Cuba.....
Black, James A.....	Troy.....	Buechler, John.....	Belleville.....
Bloomberg, Albert.....	Sherrard.....	Bunge, George.....	Belleville.....
Billips, Joseph M.....	Kewanee.....	Burbridge, J. W.....	Breton.....
Boden, J.....	Gilchrist.....	Burgess, Charles E.....	Greenview.....
Bodtcher, Alfred.....	Freeburg.....	Burke, Riley M.....	DeSoto.....
Boetto, John.....	Cardiff.....	Buckholder, Oliver W.....	Dewmaine.....
Boggs, Dow J.....	Kewanee.....	Burlinson, Aaron.....	Percy.....
Boggs, E. W.....	Galva.....	Burr, Chauncey.....	Coulterville.....
Boggs, G. W.....	Galva.....	Bullock, William.....	Collinsville.....
Bohlen, Henry E.....	Mt. Olive.....	Bullock, George R.....	Cartersville.....
Bohlander, Edward.....	Pekin.....	Bumgarner, Ross.....	Ledford.....
Bolton, Mark.....	Gilchrist.....	Burke, Robert.....	Oakwood.....
Bookstaver, Joseph.....	Duquoin.....	Burrell, G. K.....	Farmington.....
Bonnett, John, Jr.....	Danville.....	Burrows, William.....	Williamsville.....
Bonnett, A. H.....	Collision.....	Butler, Henry.....	Pekin.....
Bonstead, W. P.....	Coal City.....	Butcher, Thomas.....	Murphysboro.....
Bonton, Vaughn.....	Princeville.....	Butcher, Hansel.....	Georgetown.....
Boots, James Franklin.....	Germantown.....	Butt, Thomas R.....	Litchfield.....
Boring, Frank L.....	Odin.....	Byrne, Michael.....	LaSalle.....
Boroughs, Wade.....	Athens.....		
Bostwick, George.....	Farmington.....	Cagle, Alfred.....	Marion.....
Boston, William H.....	Murphysboro.....	Cain, Daniel.....	Ridgely.....
Boswell, William.....	Dunfermline.....	Cain, Daniel P.....	Ridgely.....
Boswell, L. R.....	Marion.....	Cain, John.....	Ridgely.....
Bolles, William.....	Auburn.....	Callar, Isaac.....	Pottstown.....
Bottomley, B.....	Paisley.....	Callier, George H.....	Peoria.....
Boul, Leonard.....	Belleville.....	Cameron, Daniel.....	Pana.....
Bourne, Archibald.....	Marion.....	Camp, John R.....	Westville.....
Bouches, Anatola.....	Orchard Mines.....	Campbell, A.....	Peoria.....
Bowen, Geo.....	Gillespie.....	Campbell, Fred.....	Sorento.....
Bowler, H. S.....	Mt. Vernon.....	Campbell, T.....	Coal City.....
Bowman, George W.....	Duquoin.....	Campbell, W. J.....	Coal City.....
Boyd, Alex.....	Kangley.....	Campbell, William T.....	Cable.....
Bradbury, R. D.....	Carbondale.....	Cantrell, H. T.....	Farmington.....
Bradenburg, F.....	Belleville.....	Cantrall, Lloyd.....	Athens.....
Braden, Charles.....	Eldorado.....	Carlson, Alexander.....	Galva.....
Bradley, Simon.....	Edwardsville.....	Carmichael, Thomas.....	Springfield.....
Brants, Elit G.....	Pekin.....	Carmichael, John.....	Berlin.....
Bradford, Herman.....	Mt. Vernon.....	Carpenter, Charles.....	Girard.....
Bradley, William P.....	Virdeu.....	Carpenter, James T.....	Oakwood.....
Bradshay, Kenneth.....	Herrin.....	Carr, Robert H.....	Freeburg.....
Brady, James G.....	Peoria.....	Carrier, M. E.....	Carrier, Mills.....
Brady, Wilbert J.....	Seatonville.....	Carrington, Eugene.....	Moweaqua.....
Brasel, S. R.....	Centralia.....	Carsell, Hugh.....	Moweaqua.....
Brayfield, Newton.....	Cartersville.....	Carter, Albert J.....	Cutler.....
Bretz, Anton.....	Germantown.....	Carter, Roy.....	Barclay.....
Bretz, Matt.....	Belleville.....	Carter, W. E.....	Barclay.....
Brigham, Robert.....	Tamaroa.....	Carter, Chas. E.....	Willisville.....
Brigham, William D.....	Marion.....	Casey, W. T.....	Johnston City.....
Briarty, Wm. M.....	Duquoin.....	Carter, Charles H.....	Barclay.....
Broderick, James.....	Braidwood.....	Carter, Ernst.....	Glen Carbon.....
Bromley, Charles.....	Coal City.....	Castleman, W. F.....	Springfield.....
Bromley, George, Sr.....	Catlin.....	Catlin, Horace W.....	Harrisburg.....
Bromley, George, Jr.....	Kellyville.....	Carrington, Wm. S.....	Torino.....
Broughton, George C.....	Coffeen.....	Caudle, James F.....	Sorento.....
Brother, David.....	Mt. Pulaski.....	Caulk, Arthur.....	Sorento.....
Brown, George A.....	Iles Junction.....	Cearing, Samuel A.....	Springfield.....
Brown, C. T.....	Cuba.....	Chambers, G. W.....	Nokomis.....
Brown, H. L.....	Duquoin.....	Chance, Jesse, Jr.....	Farmington.....
Brown, James A.....	Springfield.....		

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Chapman, J. B.	Petersburg.	Cowley, George.	Cherry.
Chapman, William E.	Salisbury.	Cox, John.	Ledford.
Charles, Thomas.	Coal City.	Cox, William.	Rutland.
Charley, Ramond.	Kangley.	Caddock, Robert.	Auburn.
Charneckey, Walter.	Spring Valley.	Craft, George.	Kangley.
Charpenter, Joseph.	Braidwood.	Craig, Daniel.	Danville.
Cherry, William.	Pawnee.	Craig, Daniel G.	Danville.
Chesney, O.	Breese.	Craig, Daniel.	Danville.
Chester, David.	Springfield.	Crenshaw, D. B.	Harrisburg.
Chew, Oliver.	Sato.	Crenshaw, J.	Marion.
Chew, B. R.	Carlville.	Crews, Jesse.	Hallidayboro.
Chitwood, William H.	Catlin.	Crinigan, Barney.	LaSalle.
Chorlton, Thomas.	Birkner.	Crofts, James.	Cardiff.
Church, Van L.	Duquoin.	Croker, Edward.	Marquette.
Church, William.	Marissa.	Crouch, Millard F.	Nilwood.
Christ, Philip.	Wenona.	Crowther, John.	Carterville.
Clark, Corey.	Coal City.	Cryder, James F.	Divernon.
Clark, Harvey.	Westville.	Cruickshanks, Robert.	Middle Grove.
Clark, Christopher.	Decatur.	Cruickshanks, John.	East Peoria.
Clark, C. C.	Girard.	Cruickshanks, William A.	East Peoria.
Clark, C. N.	Duquoin.	Cruthers, Zina B.	Taylorville.
Clark, John.	Marquette.	Cummings, George.	Pana.
Clark, John R.	Virden.	Cumming, George A. P.	Gardner.
Clark, John.	Virden.	Cumming, George P.	Sparland.
Clark, Quintin.	Braidwood.	Cummings, Robert W.	Sparta.
Clark, Henry L.	Petersburg.	Cunningham, William.	Swanwick.
Claudin, Josh.	Pekin.	Cutler, Frank H.	Princeville.
Clayton, William.	Collinsville.	Cutler, Scott.	Duquoin.
Clayton, D. J.	Johnston City.		
Clay, Elmer.	Kangley.	Daenzer, Anton.	Glen Carbon.
Clay, Harry G.	Taylorville.	Dohm, John, Jr.	Belleville.
Clickner, C. S.	Witt.	Dalhous, Frank C.	Staunton.
Clifford, Michael.	Kewanee.	Dalton, Isam.	Yates City.
Clifton, William H.	Sparland.	Daly, Thomas.	Diamond.
Cline, John.	LaSalle.	Dalluge, R. F.	Taylorville.
Clink, Charles.	Springfield.	Dana, John W. C.	Springfield.
Coan, James.	Westville.	Daniel, James.	Belleville.
Coatney, Grant.	Fairmont.	Daniels, Joel.	Belleville.
Coburn, W. A.	Princeville.	Daniel, Jacob.	Wyoming.
Collinton, Charles.	Belleville.	Dankins, Thomas J.	Braceville.
Collingwood, William.	Greenview.	Darmstadter, William.	New Athens.
Collingwood, Albert E.	Springfield.	Dave, R. J.	Glen Carbon.
Collins, Walter.	Mt. Vernon.	Davenport, George.	Harrisburg.
Collins, John.	Birkner.	Davenport, Thomas.	Harrisburg.
Colton, George C.	Carterville.	Davis, B. D.	Coffeen.
Colwell, W. P.	Canton.	Davis, Carl.	St. John.
Compton, James.	Colfax.	Davis, Cyrus.	Marion.
Combs, William.	Gillespie.	Davis, C. E.	Divernon.
Compton, Stephen B.	Sorento.	Davis, Frank.	St. John.
Conboy, Darby.	Athens.	Davis, James A.	Hillsboro.
Conley, John.	Streator.	Davis, Charles W.	Edinburg.
Conley, Clarence.	Herrin.	Davis, Jackson.	Athens.
Connelly, J. J.	Murphysboro.	Davis, E. E.	Auburn.
Conway, John.	Collinsville.	Davis, Frank.	Lincoln.
Conway, Michael.	Ladd.	Davis, Harry J.	Duquoin.
Conner, A. B.	Cuba.	Davis, James P.	Belleville.
Cook, G. E.	Hallidayboro.	Davis, John W.	Lake Creek.
Cook, John.	Peoria.	Davis, John.	Belleville.
Cook, James.	Harrisburg.	Davis, L. D.	Coffeen.
Cook, William D.	Westville.	Davis, Thomas.	Belleville.
Cook, George.	Carbon Hill.	Davis, Harden.	Eldorado.
Cook, Tom.	Duquoin.	Davis, William H.	Fairbury.
Cook, John.	Elkville.	Davis, Charles A.	Belleville.
Cook, Philip.	Duquoin.	Davison, John G.	St. John.
Cooper, J. H.	Nilwood.	Davison, Joseph.	Sherrard.
Colbert, Charles.	Divernon.	Dawson, Van C.	Spring Valley.
Corbin, Earl.	Rutland.	Dawson, John C.	Streator.
Corder, Jesse.	Gillespie.	Davidson, Arthur.	Oakwood.
Cornelius, Richard.	Fairmont.	Daum, Carl.	Murphysboro.
Cornelius, Arthur.	Catlin.	Day, James.	Peoria.
Cottle, Elmer.	Buffalo.	Day, Benjamin F.	Peoria.
Coughlin, John.	LaSalle.	Dayton, William.	Pekin.
Cotton, George.	Hallidayboro.	Deans, Robert.	Belleville.
Cotton, Thomas.	Norris.	Deaton, L. B.	Tallula.
Coughlin, Peter.	LaSalle.		

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Deaton, William S.	Greenview.	Edwards, George W.	Springfield.
DeBacher, Thomas.	Elmwood.	Edwards, Joseph.	Coulterville.
Decker, William.	Oglesby.	Elder, Alexander C.	Marissa.
Dee, Henry.	Glen Carbon.	Elliott, Clarence.	Bryant.
DeJarnett, Thomas.	Mt. Vernon.	Elliott, Delbert.	Canton.
Delmore, Frank.	Springfield.	Elliott, H. H.	Centralia.
Delapp, Robert E.	Willisville.	Elliott, Henry.	Herrin.
Delory, William.	Westville.	Edwards, Thomas.	Spring Valley.
Dempsey Columbus.	Harrisburg.	Exis, Daniel B.	Springfield.
Dent, Will.	Diamond.	Ekis, Henry.	Ridgely.
Dent, Walter.	Coal City.	Emans, Ransom R.	Farmington.
Denton, Fred.	Petersburg.	Elias, William.	Kangley.
Derrington, Walter.	Herrin.	Ellis, Albert.	Cable.
Denton, O. N.	Coffeen.	Elam, Edgar E.	Smithboro.
Denton, William.	Petersburg.	Elemendorf, E.	Belleville.
Derrington, Clark.	Herrin.	Elmore, V. M.	Coffeen.
Devlin, Francis.	Clark City.	Emery, H. W.	Greenville.
Dick Robert.	Sunfield.	English, Thomas.	Streator.
Dickrotzer, Matt.	Beckemeyer.	Engle, H. P.	Cuba.
Dillon, John.	Auburn.	Erisman, Jacob D.	Niantie.
Dillon, William.	Anuburn.	Erisman, Jesse.	Niantie.
Digman, F. M.	Witt.	Estes, W. B.	Danville.
Dixon, Frederick W.	Springfield.	Evans, Albert.	Glen Carbon.
Dixon, George.	Wenona.	Evans, Roderick B.	Girard.
Dodd, Samuel H.	Pottstown.	Evans, Thomas.	Spaulding.
Dodwell, Edward.	Decatur.	Evans, C. L.	Virden.
Donaldson, James.	Kangley.	Evans, Price.	Bissell.
Doolin, E. W.	Pontiac.	Evans, W. E.	Danville.
Dochring, Fred.	Mt. Olive.	Evans, Roy M.	Tilden.
Douck, John.	LaSalle.	Evans, William L.	Eldorado.
Douck, John.	LaSalle.	Evans, W. H.	Marion.
Doughterty, Frank.	Taylorville.	Everly, John C.	Canton.
Donaldson, J. W., Jr.	Dunfermline.	Eytman, Frank.	Spring Valley.
Donaldson, James.	Kangley.	Eydtman, Henry.	Coulterville.
Donnelly, J.	Springfield.	Eynon, David.	Duquoin.
Donnelly, John P.	LaSalle.		
Doolin, E. J.	Pontiac.		
Doughterty, Joseph.	Taylorville.	Fabrey, A.	Braceville.
Dove, C. W.	Glen Carbon.	Fahay, John.	Decatur.
Dowles, Fritz C.	Breese.	Fahay, John E.	Decatur.
Dowler, John.	Auburn.	Fairlie, William.	Cambridge.
Dowling, Ira F.	Springfield.	Falkenstein, George A.	Astoria.
Downing, Robert D.	Bartonville.	Farmer, Richard.	Glen Carbon.
Downes, J. L.	Johnston City.	Farmer, Frank.	Bloomington.
Downs, L.	Cuba.	Farley, James.	Riverton.
Drischel, Fred W.	Taylorville.	Farwood, L. C.	Springfield.
Drake, William.	Streator.	Fay, John E.	Murphysboro.
Drake, Benjamin.	Nilwood.	Fenton, M. H.	Streator.
Dray, John.	Troy.	Ferguson, J. B.	Divernon.
Drennan, L. H.	Blue Mound.	Ferguson, John J.	Spring Valley.
Duffy, Glenn E.	Collinsville.	Ferren, Edward.	Barclay.
Dugg, B. A.	Collinsville.	Ferris, W. H.	Marquette.
Duncan, J. R.	LaSalle.	Field, Berton.	Elmwood.
Duncan, Charles W.	Johnston City.	Fillingham, J. A.	Canton.
Dunlap, Bert.	Nokomis.	Finnigan, Thomas J.	Springfield.
Dunnihoo, James.	Carterville.	Finley, Earl C.	Sparta.
Dunn, L. A.	Duquoin.	Finegan, William H.	Springfield.
Dunn, William L.	Clark City.	Fierth, William R.	Cutler.
Dunsmore, Thomas.	Springfield.	Fisher, Carl.	Fairmount.
Dunstedler, William S.	Edwardsville.	Fischer, Phillip.	Lenzburg.
Duniho, Arch.	Carterville.	Fisher, George.	Staunton.
Durham, James D.	Lake Creek.	Fisher, Patrick.	Kangley.
Durham, George.	Glen Carbon.	Fitch, Charles.	Carterville.
Dyer, Harry.	Duquoin.	Fitzsimmons, Maurice.	Peru.
		Flesher, A.	Taylorville.
		Flesher, O.	Clay City.
		Fletcher, Henry A.	Ladd.
Easley, Henry E.	Hillsboro.	Fyetcher, I. W.	Springfield.
Easley, H.	Taylorville.	Fogerson, Andrew.	Central City.
Eaton, A. C.	Duquoin.	Foote, Charles.	Westville.
Eaton, Robert.	Sunfield.	Foote, William.	Westville.
Easton, George.	Willisville.	Forister, Robert.	Murphysboro.
Eccleston, John.	Streator.	Forister, William.	Murphysboro.
Eddy, Melvin.	Athens.	Forney, John W.	Kinmundy.
Eddy, Evermont.	Athens.	Foster, Albert.	Elmwood.
Eastham, G. A.	Girard.		

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Foster, A. J.	Litchfield	Gleichman, Herman	Collinsville.
Fox, Frank L.	Assumption	Glennon, Philip	Williamsville.
Fox, Fred.	Middle Grove	Glennon, John	Riverton.
Fox, William	Taylorville	Glover, Frederick	Peoria.
Fox, James B.	LaSalle	Goalby, Arthur A.	Percy
Fox, Arthur	Springfield.	Goalby, B. F.	Percy
Fox, Thomas	Lincoln	Goalby, Frank H.	Stookey
Frain, Austin	Ridge Prairie	Goalby, Frank, Jr.	Belleville.
Frankland, Tim	Streator	Goalby, W. A.	Belleville.
Francis, John C.	Streator	Goesman, John	Bunker Hill.
Frazell, Charles A.	Farmington	Goddard, William H.	Spillertown
Freeman, M. F.	Shelbyville.	Goddard, W. L.	Lake Creek.
Freeland, Frank	Hillsboro.	Goforth, William	Pana.
Freeman, E. F.	Duquoin.	Golliber, H.	Herrin.
Frick, T. B.	Lake Creek.	Gordon, E. J.	Petersburg.
Frick, George W.	Marion.	Gordon, Alex B.	O'Fallon.
Friend, J. W.	Collinsville.	Gorham, A. B.	Lincoln
Frier, Jacob.	Ormsby	Gorman, J.	New Douglas.
French, E. A.	Collinsville.	Gottschalk, Fred	Springfield.
Friend, William L.	Collinsville.	Gould, George.	Sato.
Friesland, O. M.	Salisbury	Gorwin, Curtis	Green Ridge.
Fritz, Gustav	Breese	Gowin, Frank.	Green Ridge.
Fritz, William	Lebanon	Goodman, R. W.	Herrin.
Fry, D. W.	Clark City.	Grace, John T.	Kewanee.
Frye, William S.	Coal City.	Graham, L. A.	Bloomington.
Ferguson, S. P.	Strasburg	Graham, William	Springfield.
Fuller, John S.	Springfield.	Gradin, Orville B.	Taylorville.
Fuller, Phillip H.	Pekin.	Graham, Reuben	Virden.
Full, Richard	Roanoke.	Grant, Lewis.	Pekin.
Fuston, D. H.	Murphysboro	Grant, Harry.	Pawnee
Furlong, A. G.	Carrier Mills.	Gray, Thomas	Springfield.
		Gray, Charles H.	Springfield.
		Greaves, Walter.	Ladd.
Gahl, Fred T.	St. John.	Green, Joseph.	Canton.
Gallagher, George.	Lebanon.	Green, Daniel.	Braidwood.
Galloway, Alexander	Peoria.	Green, Roy.	Wilmington.
Galutia, C. M.	Cartersville.	Green, R. A.	Coffeen.
Garrett, Bert.	Moweaqua.	Green, Thomas.	Marissa.
Gombler, H. H.	Ziegler.	Green, William H.	Streator.
Gandy, James W.	Peoria.	Greenhalgh, James	Hillsboro.
Gahn, Earl.	Marion.	Greenhalgh, William	Hillsboro.
Gaskins, Asa.	Harrisburg.	Greenman, Martin	Pontiac.
Gately, Bernard.	Diamond.	Greener, George.	Greenview.
Gately, Barney, Jr.	Granville.	Greenwood, Burlie.	Sunfield.
Gately, James.	Seatonville.	Grierson, John	Streator.
Gasnell, George W.	Herrin.	Grimmett, Charles C.	Girard.
Gately, Albert.	Granville.	Grimes, James L.	Tilden.
Gattou, Thomas.	Divernon.	Grice, Albert.	Kewanee.
Gates, William S.	Kankakee.	Grievess, David.	Birkner.
Gallagher, Peter.	Clark City.	Grievess, James.	Birkner.
Gaugham, James.	Braidwood.	Grievess, E. H.	Willisville.
Geer, Benjamin H.	Wolcott.	Griffin, John O.	Kewanee.
Geer, U. S.	Pekin.	Griffeth, Herbert.	Reeves.
Geer, Chauncey N.	Wolcott.	Groom, Alexander	Belleville.
Galmour, Allen.	Diamond.	Groom, John, Sr.	Belleville.
Geisbek, Mathew.	Springfield.	Groom, James.	Belleville.
Gerner, Fred.	Danville.	Groom, William.	Belleville.
Gerjets, Harry.	Atheus.	Groom, John.	Belleville.
Geyer, J. A.	Wanlock.	Grover, Harmon, M.	Canton.
Gibson, John.	Sandoval.	Grubb, Michael.	Riverton.
Gibson, J. W.	Sherrard.	Geistdorfer, Fred.	DeSoto.
Gibson, Henry.	Coal City.	Guppy, Edgar.	Bartonville.
Girat, Peter J.	Diamond.	Guy, D. F.	Springfield.
Gierten, William.	Pineknayville.	Gurick, Howard	Litchfield.
Gizley, J. F.	Peoria.	Gurick, L. E.	Litchfield.
Giebelhouser, Jacob.	Peoria.	Guskins, Bert.	Harrisburg.
Gilchrist, H. M.	Gilchrist.	Guthrie, T. E. B.	Marissa.
Gilmore, J. E.	Hillsboro.		
Gibson, R. W.	Danville.	Hachett, Owen	Spaulding.
Girfen, Henry.	Troy.	Haddick, William L.	Sherrard.
Glacken, Hugh.	Coal City.	Haensel, Herman	Lenzburg.
Gladdens, William	Coal City.	Haensel, Edward	Lenzburg.
Gladson, E.	Duquoin.	Haensel, David.	Lenzburg.
Gladson, F.	Duquoin.	Hagler, Charles.	Fredonia.
Glass, Reuben	Edwardsville.		

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Hale, William T.	Troy.	Heskitt, John.	Ridgley.
Hale, James.	Dunfermline.	Hess, Edward B.	Morrisonville.
Hales, James E.	Equality.	Heublin, Walter H.	Greenview.
Haley, Edward.	Kimnuddy.	Higbee, Lawrence.	Wyoming.
Hall, G. R.	Colchester.	Hillard, James.	St. David.
Hall, G. R.	Nilwood.	Hilliard, Frank.	St. David.
Hamilton, Thomas.	Murphysboro.	Hillery, John.	Dunfermline.
Hamilton, Charles E.	Canton.	Hill, Cyrus P.	Norris City.
Hamilton, James H.	Sparland.	Hill, C. C.	Marissa.
Hampton, N. R.	Murphysboro.	Hill, Frank.	Carrier Mills.
Hand, P. L.	Peoria.	Hill, C. W.	Pontiac.
Hanvey, John.	Collinsville.	Hill, Emerson.	Westville.
Handle, Lddie.	Taylorville.	Hill, John C.	Marissa.
Hanenstein, J. W.	Willisville.	Hilliard, George.	St. David.
Hanes, W. J.	Salem.	Hilmes, Henry.	Astoria.
Hanvey, Edgar.	Alvey.	Hines, P.	Tohlea.
Hankins, John W.	Sorento.	Hindman, Milo.	Herrin.
Hanson, William.	O'Fallon.	Hobbs, Francis E.	Centralia.
Hanvey, John J.	Collinsville.	Hodgson, Edward.	Murphysboro.
Hanvey, Robert.	Collinsville.	Hodson, Moses.	Smithboro.
Hanvey, William.	Collinsville.	Hodson, John.	Taylorville.
Haddicks, Frederick H.	Cable.	Hoeker, Charles.	Glen Carbon.
Happer, Frank.	Edwardsville.	Hogan, Frank.	Springfield.
Harding, Enos.	Birkner.	Holbrook, L. L.	Herrin.
Harding, Walter.	Hanna City.	Holland, Arthur J.	Mt. Olive.
Hardy, Warren.	Pawnee.	Holland, Miner.	Cartersville.
Harnis, Heike.	Petersburg.	Holland, William R.	Johnston City.
Harper, Oscar.	Lebanon.	Holland, S. B.	West Frankfort.
Hardy, Thomas.	Springfield.	Holler, Grover.	Harrisburg.
Hardy, Thomas W.	Dawson.	Holtkamp, George.	Breese.
Harms, Will J.	Petersburg.	Holzer, A. Eugene.	Mt. Olive.
Harmon, M. W.	Oglesby.	Holoffe, Emil.	Coal City.
Harner, Elmer.	Decatur.	Hooper, George.	Glen Carbon.
Harris, J. W.	Springfield.	Hooper, H. H.	Gillespie.
Harris, W. C.	Nilwood.	Hootin, Grover.	Assumption.
Harrison, Floyd.	Salem.	Horrel, L. R.	Harrisburg.
Harrison, John, Jr.	Coulterville.	Huchcraft, Noah.	Harrisburg.
Harrop, Horace W.	Farmington.		
Hartley, Joseph H.	Coal City.	Ishmael, Benjamin.	Christopher.
Hartley, Horace.	S. Wilmington.		
Hartman, Frank.	Murphysboro.	Jackson, E. W.	Christopher.
Hartman, John F.	Murphysboro.	Johnson, Joe E.	Christopher.
Hartwell, A. Lincoln.	Marion.	Joss, John.	Farmington.
Hartwell, J.	Marion.		
Hartwell, Roy.	Marion.		
Harvey, M. F.	Duquoin.		
Hartman, W. H.	Coulterville.		
Harvey, William R.	Wanlock.	Keil, Henry W.	Murphysboro.
Haughnaut, John D.	Spring Valley.	Kellerman, Charles E.	Duquoin.
Havel, Joseph.	French Village.	Keown, Frank.	Herrin.
Hawker, J. O.	Pana.	Kent, A. K.	Golconda.
Haworth, William.	Sandoval.	Kent, George S.	Centralia.
Hayes, Arthur H.	Danville.	Kossieck, George.	Decatur.
Hayes, Earle.	Danville.	Krully, Andrew.	Braceville.
Hayes, James.	Bloomington.	Krout, W. S.	Cuba.
Hayler, George L.	Murphysboro.	Kuhn, Fred A.	Trenton.
Head, John S.	Assumption.	Knapp, Thomas.	Duquoin.
Heckman, Sol.	Coffeen.		
Hedger, C. N.	Catlin.		
Heffron, William.	Riverton.	Lamb, William E.	Coal City.
Heidinger, F. C.	Mt. Olive.	Lambert, George W.	LaSalle.
Heilegeist, Bruno.	Spring Valley.	Lamber, William.	Middletown.
Hendrick, C. W.	O'Fallon.	Lane, Charles C.	Farmington.
Hendrix, R. H.	Harrisburg.	Landers, John.	Staunton.
Hennegan, John F.	Wanlock.	Lanham, John W.	Danville.
Henry, Philip.	Kewanee.	Larkin, James G.	Athens.
Henry, John L.	Greenview.	Larkin, William.	Taylorville.
Heppard, George.	Belleville.	Laswell, C. R.	Barclay.
Herder, Walter.	Edwardsville.	Laphery, Jonathan, P.	Carbon Cliff.
Herman, John.	Belleville.	Lavallier, U. S.	Chenoa.
Herrou, J. S.	Auburn.	Lawson, George.	Cable.
Herrou, Thomas J.	Middle Grove.	Layne, J. W.	DeSoto.
Herring, George P.	Odin.	Layman, J. C.	Lincoln.
Herring, J. P.	Staunton.	Leake, William.	Minonk.
Hershaw, A. F.	Abingdon.	Ledbitter, George.	Sorento.

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Lee, Robert E.	Sherrard.	McConachie, Ed.	Auburn.
Leek, Carroll.	Hallidayboro.	McCoosnell, C. D.	Tice.
Leeper, C. W.	Equality.	McCormack, James J.	Springfield.
Lehman, Phillip.	Lebanon.	McCollough, Wm. N.	Tower Hill.
Lemons, J. L.	Girard.	McCulley, G. L.	Pawnee.
Leslie, C. Lutton.	Rutland.	McClusky, Tobias.	Assumption.
Leslie, George.	Gardner.	McCurdy, J.	Taylorville.
Leslie, N. B.	Braidwood.	McDonald, John.	Springfield.
Lewis, Richard W.	Gillespie.	McDonald, W. H.	Pana.
Lewis, Alvan.	Catlin.	McDonald, William J.	Percy.
Lewis, Clayton.	Carrier Mills.	McDonald, Peter G.	Carbon Hill.
Lewis, James.	Canton.	McDonald, Frank R.	Athens.
Lewstick, John.	Springfield.	McFarland, F. E.	Murphysboro.
Lee, Frederick.	Canton.	McGarry, William.	Ladd.
Lindsey, J.	Oglesby.	McGee, G. W.	Cartersville.
Lewis, Spiller D.	Marion.	McGittigan, Thomas.	Pana.
Lipscomb, Arthur.	Breese.	McGowan, Edward.	Lincoln.
Lindsky, Martin H.	Streator.	McGowan, J. R.	Herrin.
Linsky, Timothy.	Braidwood.	McIntire, A. D.	Sparta.
Lindstrom, Oscar.	Sherrard.	McKean, Andrew.	Coal City.
Liner, John.	Oglesby.	McKean, John.	Carbon Hill.
Linsky, James.	Braidwood.	McKean, Isaac.	Coal City.
Linsky, Partick J.	Braidwood.	McKearnan, J. B.	Athens.
Little, G. E.	Edwardsville.	McKee, C. L.	Lake Creek.
Little, Irwin E.	Edwardsville.	McKeeran, John.	Belleville.
Little, Peter.	Peoria.	McLaughlin, F. T.	Carbon Hill.
Little, Thomas.	Murphysboro.	McLaughlin, George.	Carbon Hill.
Little, Harry.	Herrin.	McLean, J.	Pleasant Plains.
Lockhart, Lewis.	Niantic.	McIntyre, Martin S.	Sparta.
Lockie, G. O.	Cartersville.	McMillin, W. M.	Danville.
Lockie, William.	Cartersville.	McMurry, P.	Virden.
Loding, Charles A.	Lodging.	McNail, Albert.	Mt. Vernon.
Loebel, Frank.	Trenton.	McPherson, James.	Murphysboro.
Loeffler, Adolph A.	O'Fallon.	McQuade, J.	Clark City.
Loescher, Paul.	Mt. Olive.	McNeill, S.	Coulterville.
Long, Noah B.	Pontiac.	McNutt, T. C.	Taylorville.
Long, Edward.	Norris.	McVey, Frank W.	Roanoke.
Long, George.	Norris.	McVickar, Donald.	LaSalle.
Longerbon, L. T.	Cantrall.	McVicar, John.	Virden.
Lozin, P.	Lincoln.	Marland, William.	Staunton.
Lucht, M. F.	Mt. Olive.	McWilliams, Harry.	Belleville.
Loos, A. C.	Murphysboro.	Maloy, Lewis.	Georgetown.
Lucey, Michael.	Ridgley.	Marland, James.	Wenona.
Lundeen, Frank W.	Galva.	Marland, William.	Sparland.
Lundy, J. P.	Mt. Pulaski.	Marie, John E.	Pottstown.
Lundley, Ralph.	Ridge Prairie.	Marshall, Robert.	Murphysboro.
Ludewick, Harry.	Witt.	Martin, Benjamin.	Toluca.
Luschner, John.	Mt. Olive.	Martin, N. W.	Marion.
Lyday, Benjamin F.	Sesser.	Marxer, Lewis J.	Millstadt.
Lyday, Ray.	Christopher.	Marxer, William J.	Millstadt.
Lynch, John B.	Muncie.	Massie, J. T.	Belleville.
Lynch, M.	Herrin.	Mason, E.	Winchester.
Lyons, A.	Riverton.	Mathis, Charles.	Duquoin.
		Mathis, George.	Duquoin.
		Matthews, C.	Willisville.
Maasburg, H. C.	Pinckneyville.	Maule, William.	Belleville.
Mander, Charles H.	Staunton.	Maxwell, Fred.	Peoria.
Madden, Harvey.	Danville.	Mayor, A. W.	Duquoin.
Manley, Leo.	Coffeen.	Mayor, J. W.	Duquoin.
Manning, Ed. T.	Cartersville.	May, Charles W.	Panama.
Mann, John B.	Sherman.	Meadows, William.	Ledford.
Mannrey, Harry.	Farlington.	Meachaelis, Edward.	Belleville.
Mainwaring, James.	Brazeville.	Meithe, William.	Georgetown.
Mair, Max.	Lebanon.	Melton, Frank.	Gillespie.
Malcolm, William J.	Brazeville.	Mellor, John.	Peoria.
Maltby, Edward.	Braidwood.	Melvin, Elmer.	Tamaroa.
Martin, M. J.	Peoria.	Meng, George W.	Freeburg.
McAddams, John W.	Percy.	Menk, Hugh H.	Edwardsville.
McAlister, Thomas.	Hallidayboro.	Meredith, Arthur R.	Troy.
McCann, David.	Lincoln.	Mercer, L. W.	St. John.
McCarthy, John.	Lincoln.	Merrill, Horace C.	Collinsville.
McCarthy, C. F.	Alexis.	Messersmith, Fred.	Athens.
McCauley, Aaron.	Streator.	Messenger, Joseph.	Williamsville.
McCauley, John H.	Glen Carbon.	Meyer, Henry.	Trenton.
McClelland, A. J.	Cuba.	Meyers, Floyd P.	Smithboro.

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Myer, John.	Staunton.	Nagle, Jake.	Springfield.
Michaels, Otto L.	Belleville.	Nangle, A. J.	Herrin.
Miller, A. J. F.	Centralla.	Neal, Ambrose.	Carlinville.
Miller, E. E.	Murphysboro.	Neil, John H.	Cartersville.
Miller, Hugh.	Braceville.	Needham, Daniel.	Breese.
Miller, James C.	Tamaroa.	Negley, Ollie K.	Norris.
Miller, James.	Alma.	Negley, Frank M.	Canton.
Miller, T. H.	Raymond.	Neilson, James W.	Sparta.
Miller, William C.	Rentschler.	Nelson, Andrew V.	Centralla.
Miller, Thomas.	Coulterville.	Nentzel, Fred H.	Caseyville.
Mills, Thomas S.	Coal City.	Newal, Leroy.	Sparland.
Minor, John.	Mt. Olive.	Neveney, James.	Belleville.
Minzner, Robert A.	Spaulding.	Nichols, John.	Athens.
Mitchell, E. R.	Farmington.	Nichols, E. E.	Coffeen.
Mitchell, S. R.	Moweaqua.	Nichols, E. B.	Coal Valley.
Mize, Walter.	Pana.	Nickerson, James K.	Colfax.
Mockbee, Luther.	Niantic.	Nickens, William.	Sunfield.
Mohm, E.	Peoria.	Nicobaides, George.	Dewmaine.
Mohrhouse, Charles L.	Danville.	Nichol, William.	Belleville.
Moffat, R. E.	Cutler.	Nichol, Adolph.	Belleville.
Moffat, John.	S. Wilmington.	Nichols, James.	S. Wilmington.
Moffat, Thomas, Jr.	Sparta.	Nisely, Alfred H.	Coal Valley.
Molash, A.	Springfield.	Norborg, Peter.	Galva.
Monaghan, James.	Gillespie.	Norborn, Frank.	Galva.
Mooneyham, Oscar.	Eldorado.	Norgart, Andrew.	Streator.
Moor, F. J. W.	Springfield.	Norris, James J.	Murphysboro.
Moore, George.	Staunton.	Norris, Floyd.	Duquoin.
Moore, I. N.	Johnston City.	Norris, F. E.	Ellisville.
Moore, H. E.	Troy.	Norton, William.	Oglesby.
Moore, A.	Braceville.	Norton, Victor.	Brereton.
Moore, John A.	Christopher.	Norfleet, Thomas M.	Springfield.
Moore, A. D.	Elmwood.	Newell, Thomas.	Waltonville.
Morch, John.	Belleville.		
Morgan, Joseph W.	Springfield.	O'Brien, Terry.	Decatur.
Morgan, Charley.	Eldorado.	O'Donnell, Michael.	Decatur.
Morgan, John C.	Springfield.	Oexner, Frank.	Belleville.
Morgan, William.	Carbon Hill.	Ogden, William.	Rentschler.
McVicar, John.	Virdeu.	Ogden, Samuel.	Mascoutah.
Morin, Frank.	Peoria.	Olinger, J.	Odin.
Moriarty, John.	Niantic.	Oliver, Edmund.	Livingston.
Morris, A.	Duquoin.	Oliver, Fred.	Farmington.
Morris, J.	Springfield.	Olson, August.	Streator.
Morris, John W.	Divernon.	O'Neal, James.	Streator.
Morris, George.	Belleville.	Ondescko, George.	Braceville.
Morris, James H.	Nashville.	Ople, Frederick.	Mt. Olive.
Morris, James.	Mt. Olive.	O'Riley, Wilbur.	Grape Creek.
Morris, William.	Mt. Olive.	Ord, S. R.	Mt. Vernon.
Morris, William.	Harrisburg.	Ormiston, R.	Danville.
Morris, John.	Duquoin.	Ormiston, Quay.	Harrisburg.
Morris, W. F.	Marion.	Obernurfeman, Andrew.	Collinsville.
Morrissey, Thomas.	Lebanon.	Osborne, Benjamin.	Streator.
Morrissey, Patrick.	Staunton.	Osburn, Glen L.	Streator.
Morrison, Archie.	Oglesby.	Osborn, Marion.	Herrin.
Mortz, Joseph L.	Edinburg.	Otte, John.	Collinsville.
Moser, Jacob W.	Rentschler.	Outhouse, John.	Johnston City.
Mulvaney, Christopher.	Edwards.		
Mulvaney, A. T.	Glenburn.	Packingham, Harry.	Granville.
Muren, Alfred L.	Belleville.	Paddock, W. D.	Pana.
Muren, Joseph L.	Belleville.	Padden, J. W.	Spring Valley.
Murphy, Earl E.	Farmington.	Pair, J. H.	Willisville.
Murphy, Robert T.	Norris.	Pallardy, William P.	Springfield.
Murphy, Edward.	Farmington.	Parks, J. H.	Streator.
Murphy, James F.	Springfield.	Parker, Joseph.	Murphysboro.
Murrie, Archie.	Trenton.	Parker, William.	Pana.
Murray, Robert.	Coal City.	Parsh, Gus.	Auburn.
Murray, Christopher C.	Gillespie.	Parsons, Geo.	Herrin.
Murray, Hugh.	Nashville.	Patterson, R. J.	Murphysboro.
Murray, Joseph P.	Roseboro.	Patterson, J. R.	Norris.
Musgrave, Chas.	Coulterville.	Paterson, T.	Gillespie.
Mussan, H. A.	Colchester.	Patterson, W. M.	St. Louis, Mo.
Myers, Henry.	Minonk.	Patterson, Robt.	Westville.
Myers, Peter W.	Carlinville.		
Myers, William.	Decatur.		

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Pankey, James M.	Equality.	Raisbeck, John	Braceville.
Patton, Frank L.	Springfield.	Raker, Truman	Rutland.
Paul, S. P.	Canton.	Randle, Caleb.	Belleville.
Payton, Ralph E.	Sesser.	Randle, William	Freeburg.
Pearce, H. L.	Cable.	Rasor, J. D.	Staunton.
Peecher, David.	Braidwood.	Rasch, Aug. F.	Trenton.
Peet, Charles.	Marseilles.	Ratcliff, L. P.	Cartersville.
Pemberton, C. H.	Duquoin.	Ratcliff, A.	Sheffield.
Perkes, Ephraim.	Soperville.	Rawson, Grant I.	Belleville.
Petrea, J. W.	Vandercreek.	Rawlins, Alex N.	Cantrall.
Peters, Alonzo L.	Peoria.	Ray, Hugh.	Wanlock.
Petro, Mike.	Braceville.	Reagan, William.	Mt. Olive.
Peter, Gustave.	Lenzburg.	Reatz, Hans.	Lincoln.
Pendergast, John.	Centralia.	Reading, Curtis.	Niantic.
Perrins, George H.	Herrin.	Record, L. A.	Rutland.
Peyla, George.	Braidwood.	Reece, John U.	Collinsville.
Picton, T. H.	St. David.	Reed, John.	Herrin.
Picton, John T.	Farmington.	Reed, W. J.	Danville.
Pierson, Charles.	Harrisburg.	Retz, Herman.	Lincoln.
Pierson, Joseph.	Harrisburg.	Reeger, John C.	Pinckneyville.
Pierson, Thomas.	Harrisburg.	Reise, William M.	Roanoke.
Phillips, J. M.	Athens.	Reddick, William.	Murphysboro.
Pinkerton, John G.	Hanna City.	Redden, James W.	Dewmaine.
Pinegar, James.	Oakwood.	Reid, Robert.	Moweaqua.
Piper, James.	Worden.	Reid, Archibald.	Springfield.
Piper, Oliver G.	Staunton.	Reid, Andrew B.	Duquoin.
Piper, Joseph.	Glen Carbon.	Reiddlinger, Peter M.	Peoria.
Pircher, Peter P.	Sandoval.	Reidberger, William J.	Dubois.
Pritchard, Jacob.	Canton.	Reiley, Henry.	Toluca.
Pitra, Frank.	Odin.	Reimann, John.	Belleville.
Pitt, Sam.	Trenton.	Remelius, Jacob.	O'Fallon.
Pitt, Joseph.	Trenton.	Remelius, William.	O'Fallon.
Pittman, Roy.	Ledford.	Rennard, James Ed.	Grape Creek.
Platt, J. A.	Springfield.	Reichman, George.	Trenton.
Plenty, George R.	Canton.	Rennie, Andrew.	Dunfermline.
Plimmer, Benjamin.	Streator.	Rennie, James.	Dunfermline.
Plocker, Henry.	Pana.	Rennie, Herbert.	Farmington.
Pointer, Edward.	Belleville.	Renter, August.	Mt. Olive.
Pomalto, Joseph.	Braidwood.	Repplinger, H.	Belleville.
Poter, O. M.	Westville.	Reyabek, Joseph.	Glen Carbon.
Pallard, W. C.	Lovington.	Reynolds, James.	Streator.
Poole, Edward A.	Johnston City.	Rhodes, Almon R.	Chenoa.
Poole, Arthur H.	Murphysboro.	Rhoades, Ashley.	Taylorville.
Powell, Edwin.	Caseyville.	Rhine, Martin W.	Eldorado.
Pope, Clarence Arthur.	Pana.	Rice, C. D.	Harrisburg.
Powell, F. C.	Seatonville.	Rice, William H.	Harrisburg.
Prescott, G. A.	Centralia.	Rice, James M.	Sunfield.
Priest, Glen.	Cuba.	Rice, Moses.	Murphysboro.
Price, Thomas.	Paullding.	Richards, John T.	Staunton.
Price, Daniel D.	Redlich.	Richard, Lee.	Moweaqua.
Prickett, Thomas M.	Niantic.	Richmond, John E.	Coal City.
Pritchard, H. C.	Niantic.	Riland, Francis F.	Harrisburg.
Proctor, B. W.	Marion.	Riley, B. J.	Cantrall.
Pruett, J. M.	Harrisburg.	Riley, Michael.	Grape Creek.
Pugh, Daniel.	St. John.	Rippitoe, J. G.	Colchester.
Pullen, R. H.	Sorento.	Rippitoe, George H.	Colchester.
Pulver, R. H.	Centralia.	Ritchie, John.	Trenton.
Pyle, Chilton.	Carrier Mills.	Ritchie, John F.	Christopher.
		Riviere, Paul.	Orchard Mines.
		Roach, Samuel.	Tamaroa.
Quick, Harry.	Oakwood.	Roberts, Charles.	LaSalle.
Quails, Nevail.	Dubois.	Roberts, William.	Kangley.
Quick, A. T.	Sato.	Roberts, Edward J.	Kangley.
Quick, John.	Braidwood.	Roberts, Frank L.	Johnston City.
Quick, A. S. H.	Sato.	Roberts, John.	Litchfield.
Quick, Seibert T.	Pinckneyville.	Roberts, Jonathan.	Willisville.
Quigley, Henry.	Hallidayboro.	Roberts, Erwin.	Johnston City.
Quinn, Joseph.	Springfield.	Roberts, W. P.	Johnston City.
		Roberts, William R.	Murphysboro.
		Robison, Charles.	Wenona.
Rabler, F. C.	Troy.	Robison, J. A.	Riverton.
Raber, Louis.	Collinsville.	Robinson, William A.	Toluca.
Radford, William T.	Bloomington.	Rockey, Charles.	Peoria.
Rafter, Michael.	Marquette.	Rodgers, Edward.	Murphysboro.
Rafter, James P.	Springfield.	Rodgers, George R.	Sunfield.

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Rodgers, Fimmel	Murphysboro	Sheets, Walter L.	New Athens
Rode, Henry	Sherrard	Shelenger, S.	Willisville
Roddy, Malcolm E.	Christopher	Shepradson, Isaac V.	Fairmont
Rohe, Herman J.	Alexis	Shultz, Alfred	Mechanicsburg
Rohour, Michael	Grape Creek	Scheretz, Harry	Herrin
Rosan, Ben	Duquoin	Schlomann, John A.	Mt. Olive
Ross, B. J.	Alsey	Shroyer, A. D.	Lincoln
Rowland, Samuel J.	Divernon	Shipe, George A.	Tilden
Rowland, Sidney G.	Belleville	Shinn, Charles	Springfield
Roy, A. I.	Collinsville	Shriver, P. A.	Kimmunity
Royster, Richard	Peoria	Shuler, H. M.	Gilechrist
Rude, Edmund	DeSoto	Shult, S. C.	Sorento
Ruhlander, E. H.	Mt. Olive	Sisk, Ambrey	Equality
Russell, Zenas	Pana	Siddall, Eli	Belleville
Russell, Guy	Harrisburg	Siddall, Herbert	Belleville
Russell, A. J.	Eldorado	Siddall, John	Belleville
Russell, R. O.	Reeves	Siddall, Levi	Belleville
Rutliff, Isaac	Ashland	Sieberg, E. C.	Percy
Rull, Seibert	Staunton	Simmons, H.	Murphysboro
Ryan, Lawrence	Decatur	Sinclair, Guy S.	Glen Carbon
Ryan, James	Spring Valley	Silvis, Thomas S.	Carbon Cliff
Ryan, William	Athens	Simpkins, Homer	Streator
		Sitton, W. A.	Gillespie
Sadler, George	Murphysboro	Sizemore, William I.	Cartersville
Sager, Ed. L.	Trenton	Clocum, Clarence	Gilechrist
Saidla, J. A.	Cartersville	Smith, Charles H.	Seneca
Sallade, George	Chatham	Smith, Edward J.	Collinsville
Sallade, J. E.	Chatham	Smith, George W.	Virginia
Sampson, Joseph M.	Petersburg	Smith, George W.	St. Louis, Mo.
Sands, Robert K.	Marissa	Smith, P.	Danville
Sanks, J. E.	Edinburg	Smith, S.	Marseilles
Sangrelet, Charles	Litchfield	Smith, Robert	Collinsville
Savage, Richard	Clarke City	Smith, Firth	Murphysboro
Sawyer, V.	Staunton	Smith, John	Cartersville
Sawyers, Joseph	Coal City	Smithmeyer, Anton	Lincoln
Saylor, C. F.	Murphysboro	Smyth, C. M.	Danville
Schadt, Conrad	Rock Island	Smyth, William J.	Cutler
Schafer, Fred	Belleville	Sneddon, John	O'Fallon
Shannessy, Thomas	Braidwood	Sneddon, Richard	Catlin
Scheffler, Julius	Pekin	Sneyd, James	Westville
Schofield, Perte	Coal City	Snowdon, William	Georgetown
Schnute, Henry	Breese	Snyder, Arthur	Danville
Schramm, Charles	Belleville	Sofranko, John	Benld
Scharinck, Frank	Edwardsville	Solomon, Edward	Springfield
Schmacker, Hermon	Glen Carbon	Songer, T. B.	Astoria
Schellinger, J. A.	Harrisburg	South, Daniel	Ellisville
Schoolcraft, L.	Cartersville	Sowerby, Miles	Willisville
Schreoder, Charles	Mt. Olive	Sparks, Emery C.	Ellisville
Schreoder, Edward	Pekin	Sparks, J. L.	Mt. Vernon
Schreoder, Henry	Mt. Olive	Sparling, Charles	Seatonville
Schneider, Fred W.	Staunton	Sparling, Henry	Seatonville
Schroeder, John W.	Murphysboro	Spiller, Elijah	Hallidayboro
Schroder, Fritz	Breese	Spiller, George H.	Johnston City
Schnessel, Conrad	Breese	Spires, Albert	Braceville
Schulte, Fritz	Clinton	Spence, Elmer	Farmington
Schumacher, Charles	Marissa	Sprout, J. W.	Pontiac
Schweska, Otto	Springfield	Stanfel, Martin	Toluca
Schumm, Fred W.	Gardner	Stanford, J. W.	Pana
Schuster, John	Marissa	Stanforth, F.	Wanlock
Scovil, Lee	Farmington	Stange, Fred	Marquette
Scott, J. W.	Colchester	Stanton, William E.	Colchester
Scurrah, Castling R.	Braceville	St. Clair, James A.	Macomb
Secor, Fred D.	Odin	Starnes, Peter	W. Frankfort
Seeman, John C.	Cantrall	Stedman, Edgar	Missionfield
Seeman, George A.	Cantrall	Stedman, Robert, Sr.	Danville
Seidel, Fred	Kimmunity	Stedman, Frank	Westville
Seiler, William	Ormsby	Steel, E. H.	Salem
Sells, Charles B.	Colfax	Steinheimer, Theodore	Lenzburg
Seen, Charles	Sandoval	Stephen, C. H.	Spring Valley
Seymour, John	Colfax	Stewart, L. A.	Mt. Vernon
Shafer, James M.	Girard	Stewart, Daniel	Streator
Shanklin, A. S.	Cartersville	Stewart, James C.	Carbon Hill
Sharp, John H.	Spring Valley	Stewart, Peter	Murphysboro
Sheehan, Peter	Athens	Steigmeyer, E.	Staunton
		Stocks, H.	Cartersville

Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Stoker, A. E.	Buffalo	Utter, Chas.	Farmington.
Stone, N. G.	Marion.		
Stone, Frank.	Lebanon.	Vandever, Geo. W.	Centralia.
Stone, Nathan.	Cartersville.	Van Dansen, Leonard A.	Braceville.
Storm, Edwin.	Worden.	Van Fleet, L. E.	Barclay.
Stull, Roy.	Cherry.	Van Meter, Percy.	Williamsville.
Stout, F. M.	Springfield.	Vallow, P. Oliver.	Kinmundy.
Stout, W. E.	Rutland.	Vaughn, John.	McLean.
Stowell, G. W.	Bloomington.	Valentine, Chas.	Cable.
Streik, William.	Belleville.	Vaughn, Wm. M.	Edwards.
Strader, Clarence.	Westville.	Vandveer, Perry E.	Taylorville.
Strat, John D.	Pinckneyville.	Vanderbougege, Geo. H.	Glen Carbon.
Strivey, William.	Taylorville.	Vernon, James.	LaSalle.
Strike, James M.	Marion.	Vinecore, Stephen A. D.	Rutland.
Stroud, William.	Worden.	Vollentine, Thomas E.	Sorento.
Struck, Carl.	Springfield.	Voelkel, Edward.	Belleville.
Struthard, Henry H.	Athens.	VonBrunn, Max.	Glen Carbon.
Struthard, George B.	Westville.		
Stuart, John.	Ladd.		
Stutsman, H. F.	Herrin.	Wade, Geo. H.	Johnston City.
Sullivan S.	Harrisburg.	Wagner, John B.	Collinsville.
Sullivan, Ernest J.	Toluca.	Wagoner, Albert H.	Johnston City.
Sturber, Alexander H.	Danville.	Waggoner, Wm. F.	Raymond.
Swartz, Fred.	Toluca.	Wagmire, James.	Assumption.
Swift, Wilber.	Edinburg.	Waldrom, Thos.	Fredonia.
		Walker, James.	Spaulding.
Taylor, James.	Edwards.	Walker, John H.	Mt. Olive.
Taylor, Harry.	Peoria.	Walker, Joshua.	Mt. Olive.
Taylor, Edwin.	Trenton.	Wallace, Henry G.	East Peoria.
Taylor Joseph G., Jr.	Springfield.	Waller, Wm. F.	Marion.
Taylor, Mack.	Westville.	Walters, Robert.	Springfield.
Taylor, William W.	Tamaroa.	Wallford, Noah.	Hillsboro.
Taylor, Simeon.	Bissell.	Wallock, Chas.	Braceville.
Taylor, Samuel.	Princeville.	Walsh, James D.	Auburn.
Taylor, A. P.	Johnston City.	Walton, A. F.	LaSalle.
Taggart Robert.	Peoria.	Walton, Hugh.	Norris.
Teaters, C. N.	Taylorville.	Walton, Patrick.	Bureau Junction.
Tefft, Ernest.	Mt. Olive.	Walton, Joseph.	St. David.
Temple, James C.	Springfield.	Wantling, T. J.	Pottstown.
Terry, W. F.	Litchfield.	Wandless, W. S.	Collinsville.
Terry, George L.	Raymond.	Warner, Richard.	Troy.
Thalgott, John.	Trenton.	Warner, M.	Farmington.
Theiss, John C.	Murphysboro.	Warner, Andrew.	Colfax.
Theftord, John R.	Herrin.	Wassell, Anton.	Braceville.
Thexton, Henry.	Rushville.	Watkins, N. R.	Springfield.
Tohm, R.	Coal City.	Watson, Frank.	Springfield.
Thomas, Fred.	Rutland.	Watson, Charles.	Hanna City.
Thomas, Charles.	DeSoto.	Watson, M.	Riverton.
Thomas, G. E.	DeSoto.	Watson, W. W.	Riverton.
Thrau, Chas. G.	Johnston City.	Wattawa, Joseph.	Belleville.
Thomasberry, Hiram A.	Duquoin.	Watts, T. J.	Elmwood.
Thompson, Wm. H.	Himrod.	Wear, Roscoe.	Colchester.
Thompson, Solomon E.	Mason.	Weaver, Elmer.	Dunfermline.
Thompson, Fred.	Westville.	Weaver, Orlie.	Canton.
Thompson, J. H.	Marion.	Webb, Albert M.	Greenville.
Thurston, R. T.	Mulkytown.	Wehling Fred.	Reddick.
Tibballs, E. A.	Marion.	Webber, J. S.	Rutland.
Timmons, Irvin F.	Wyoming.	Weber, William.	Murphysboro.
Tireddy, Abel.	Staunton.	Weggandt, Peter.	Belleville.
Titus, C. B.	Tower Hill.	Welch, Benjamin.	Harrisburg.
Tindall, J. L.	Danville.	Welty, Thos.	Herrin.
Tabavin, Lewis.	Lincoln.	Welshams, Henry M.	Sparta.
Tobin, Robert.	Springfield.	Wente, Frank.	Nashville.
Trainer, Arthur E.	Blue Mound.	Wersen, W. L.	Springfield.
Traughee, Peter.	Assumption.	West, W. H.	Murphysboro.
Travis, Alonzo.	Pana.	West, Ollie.	Herrin.
Travis, Wm.	Birkner.	Westberby, James.	Farmington.
Tregoning, Chas.	Cartersville.	Wesner, Ephraim.	Streator.
Tregoning, Geo.	Cartersville.	Westwood, Albert.	Belleville.
Tyrell, Thos.	Cardiff.	Westwood, Thomas E.	Marissa.
Tumblenson, Sinclair.	Centralia.	Westwood, Edward.	Birkner.
Turner, Geo. W.	Lewistown.	Westwood, F. C.	Belleville.
Twomby, Edward.	Coal City.	Weymouth, John.	Springfield.

Certificates of Competency—Concluded.

Name	Postoffice.	Name	Postoffice.
Wheatley, John W.	Coal City.	Wolfer, Herman.	Hollis.
Wheeler, J. H.	Marselles.	Wohford, John.	Taylorville.
White, Korah.	Tower Hill.	Wolschlag, Geo. J.	Peoria.
White, Henry.	Riverton.	Wood, Daniel A.	Colfax.
White, Perry J.	Springfield.	Woodward, J. R.	Streator.
White, Robert.	Lincoln.	Woodruff, Jesse.	Clifford.
White, Booker.	Catlin.	Woodhouse, Frank.	Bunker Hill.
White, William.	Johnston City.	Woolbright, D. A.	Centralia.
Wickersham, J. R.	Johnston City.	Woodworth, Peter.	Pekin.
Widick, Edward C.	Finley.	Worms, Joseph.	Birkner.
Wilkins, W. P.	Springfield.	Wormack, Chas. A.	Glen Carbon.
Wilkinson, Louis.	Pekin.	Wright, Thos. C.	Belleville.
Wilkinson, Eugene.	Taylorville.	Wright, Edward.	Herrin.
Williams, Andrew D.	Sandoval.	Wright, Newman.	Toluca.
Williams, Huston.	Spaulding.	Wright, Wm. M.	Pana.
Williams, John.	Spring Creek.	Wrigley, James.	Collinsville.
Williams, Liewellyn.	Mt. Olive.	Wyler, Clarence.	Westville.
Williams, Thomas E.	St. David.		
Williams, Watson.	Virden.		
Williams, Wm.	Duquoin.	Yates, John.	DeSoto.
Williams, Wm. H.	Sherrard.	Yates, Wm.	Coal City.
Williams, Wm. Hampton.	Murphysboro.	Yebbing, Fred H.	Duquoin.
Williams, John F.	Eldorado.	Young, J. K.	Girard.
Williams, John R.	Williamsville.	Young, James G.	Gardner.
Williamson, Henry.	Coal City.	Young, Robert.	LaSalle.
Williamson, Wm.	Coal City.	Young, A. O. K.	Girard.
Williamson, Geo.	Thayer.	Young, Peter J.	Springfield.
Wills, Henry E.	Harrisburg.	Young, W. J.	Duquoin.
Wilson, David.	Birkner.	Younghusband, L.	Coal City.
Wilson, H. C.	Farmington.	Youngquist, Frank.	Sherrard.
Wilson, Wm. H.	Middle Grove.		
Wilson, James.	Springfield.		
Witterwood, William.	Murphysboro.	Zeigler, John.	Iles Junction.
Wild, John.	Nokomis.	Zerban, W. F.	Belleville.
Windsor, Samuel.	Norris.	Zerban, Fred.	Edwardsville.
Windsor, Robt.	Norris.	Zink, Louis.	Belleville.
Wines, E. R.	Springfield.	Zink, Peter A.	Belleville.
Wohlers, S. Henry.	Mt. Olive.	Zuriker, Lorenz.	Cable.
Wolf, Wm.	Carterville.		

HOISTING ENGINEERS HOLDING CERTIFICATES OF SERVICE.

Name.	Postoffice.	Name.	Postoffice.
Ackerman, Jacob.	Belleville.	Collins, John.	Birkner.
Allen, William H.	Collinsville.	Cook, W. D.	Westville.
Anthony, John C.	Belleville.	Cotton, George.	Holidayboro.
		Cox, John.	Ledford.
Baiwir, John C.	Braidwood.	Craig, Daniel.	Danville.
Banker, Henry.	Ridge Prairie.	Crawson, William.	O'Fallon.
Bath, Ameston.	Cuba.	Crinigan, Barney.	LaSalle.
Beeby, William.	Springfield.	Crocker, Edward.	Marquette.
Bell, George E.	Canton.	Cruickshanks, Wm. A.	Middle Grove.
Benvenuto, Charles.	Toluca.	Cummings, Robert H. L.	Spartland.
Birkley, N. T.	Cuba.		
Blue, Jesse.	Norris.	Daley, Thomas.	Diamond.
Bonick, Andrew.	Glchrist.	Dauk, John.	LaSalle.
Bowman, George W.	Yates City.	Davenport, Thomas.	New Castle.
Brown, G. A.	Iles Junction.	Davis, George W.	Hanna City.
Brubeck, J. W.	Pawnee.	Davis, Thomas.	Swanwick.
Brumann, Albert.	Springfield.	Davis, William H.	Streator.
		Davison, J. G.	St. John.
Campbell, Albert.	Pottstown.	Dawson, John.	Streator.
Campbell, James.	Coal City.	Dawson, Thomas.	Streator.
Carlson, Alexander.	Galva.	Dawson, V. C.	Spring Valley.
Carrington, Eugene.	Moweaqua.	DeRacher, Thomas.	Elmwood.
Carter, Albert J.	Pinckneyville.	DeHaas, B. L.	Tallula.
Chitwood, William.	Glenburn.	Dietrich, Philip.	Freeburg.
Clark, Charles M.	Duquoin.	Dillon, John.	Auburn.
Cline, John.	LaSalle.	Doe, R. P.	Glen Carbon.
		Dodd, Samuel.	Pottstown.

Certificates of Service—Continued.

Name.	Postoffice.	Name.	Postoffice.
Ebel, August	Belleville	Marshall, Robert	Yates City
Edwards, George W.	Springfield	Matthews, George	Duquoin
Egerton, J. O.	Colchester	Mattern, Daniel	Spring Valley
Ekis, Daniel B.	Springfield	Matthews, C.	Marion
Essex, George M.	Soperville	Matthews, Wm. G.	Bartonville
Evans, Albert	Glen Carbon	Maurer, Edward	Spring Valley
Everett, Charles	Rutland	Maxwell, Fred	Peoria
		McClaster, Thomas	Muddy Valley
Fischer, George	Staunton	McDonald, William H.	Pana
Fisher, Patrick	Kangley	McLean, John	Pleasant Plains
		McMillen, W. M.	Danville
Gaudy, James W.	Peoria	McWerthy, G. A.	Smithboro
Glasford, Oliver	Orchard Mines	Melvin, T. M.	Tamaroa
Glenam, Philip	Williamsville	Milem, John	Spring Valley
Graham, J. A.	Nilwood	Miller, William	Streator
Graham, Reuben	Virdeu	Morrison, Archie	Oglesby
Grattendick, Fred	Okawville	Mumford, E. A.	Kewanee
Greaves, Allen	Nashville	Murray, James H.	Galva
Grey, David F.	Springfield		
Grierson, John	Streator	Neal, Ambrose	Barclay
Grimshaw, Joseph	LaSalle	Neil, John H.	Bunker Hill
Groom, John	Belleville	Neilson, J. W.	Sparta
		Nicholson, Geo. A.	Cuba
		Nord, John E.	Galva
Haas, Jacob	Millstadt		
Hackett, Owen	Spaulding	Ogden, David	Rentchler
Hagler, Charles	Fredonia	Ogden, Samuel	Mascoutah
Hall, Geo. R.	Nilwood	Olson, Aug.	Kangley
Hanson, William	O'Fallon	Osborne, Benjamin	Streator
Harms, Heike	Petersburg	Ottinger, William	Catlin
Harris, J. T.	Tamaroa		
Heaxer, F.	Sandoval	Pankey, John M.	Equality
Hickox, Lee	Springfield	Peet, Charles	Marseilles
Howe, Charles	Streator	Pendergast, James	Soperville
		Phillips, William	Hallidayboro
Ichman, Frank	Spring Valley	Pieton, Joseph	Farmington
Isadore, Charles	Sparta	Pieton, Thomas H.	Farmington
Isadore, George	Sparta	Piper, Oliver	Worden
		Prichard, H. C.	Lewistown
Jackson, William	Mionok	Pritchert, T. M.	Niantic
Jacobs, John P.	Orchard Mines		
Jacobs, William	Murphysboro	Qualls, Nevel	Dubois
Jamison, John	Petersburg	Quick, A. T.	Sato
Jeffrey, William	Gilchrist		
Johnson, Edgar W.	Marissa	Raber, Louis	Caseyville
Jones, George W.	Riverton	Radford, James W.	Cuba
Jones, T. A.	Muncie	Radford, W. T.	Bloomington
Judd, Thomas	Cuba	Rahaur, Michael	Pawnee
		Redyard, John	Odin
Kearney, E.	Hallidayboro	Reise, William M.	Roanoke
Kelly, Martin	Toluca	Reid, A. B., Jr.	Duquoin
Kemper, Christian	Belleville	Rennard, James E.	Westville
Kennedy, W. J.	Edwardsville	Reum, Charles H.	Sorento
King, Alexander, Jr.	Carterville	Rice, B. F.	Harrisburg
King, John	Carterville	Richmond, Edward B.	Winchester
Kirby, Thomas, Jr.	Pern	Rieger, John C.	Pinekeyville
Klaug, John	Galva	Riley, Michael	Westville
Klaus, Louis	Belleville	Roach, Samuel	Tamaroa
		Rogers, George	Sunfield
Langran, James	Fairbury	Rogers, Henry	Braidwood
Larson, Charles L.	Galva	Rude, Edmund	DeSoto
Lathan, William H.	Hallidayboro		
Lewis, Jacob H.	Pottstown	Sallade, George A.	Chatham
Lewis, William	Wanlock	Sanson, T. J.	Carterville
Lippert, Adolph	Kewanee	Sawyers, Joseph	Coal City
Lloyd, Benjamin	Rentchler	Schmacher, Charles	Marissa
Love, William	Virdeu	Schramm, Charles	Belleville
Lundberg, Eric	Galva	Seebach, Joseph	Spring Valley

Certificates of Service—Concluded.

Name.	Postoffice.	Name.	Postoffice.
Sexton, LaFayette.....	Dawson.....	Wallace, Harry G.....	East Peoria.....
Seymour, A. J.....	Fredonia.....	Warner, Andrew M.....	Wenona.....
Sheppard, W. C.....	Marquette.....	Waymire, James.....	Assumption.....
Shurm, Fred.....	Gardner.....	Wertwood, Edward.....	Birkner.....
Smith, Geo. W.....	Virginia.....	Wheatley, Rolley.....	Duquoin.....
Sorrells, D. H.....	Ashland.....	White, Henry.....	Riverton.....
Sowarby, Miles.....	Willisville.....	Williams, Huston.....	Spaulding.....
Stoker, Edward.....	Bartonville.....	Williams, Stephen P.....	Wyoming.....
Streck, William.....	Belleville.....	Williams, Watson.....	Barelay.....
Stroud, William.....	Worden.....	Willis, Harry.....	New Castle.....
Struck, Carl.....	Springfield.....	Wood, Daniel A.....	Colfax.....
Stuart, John.....	Oglesby.....	Woolbright, D. A.....	Centralla.....
		Wounes, Joseph.....	Birkner.....
		Wormack, Charles A.....	Glen Carbon.....
Tanner, Henry.....	Pinckneyville.....		
Tanlor, Benjamin.....	Bartonville.....	Zeigler, John.....	Hes Junction.....
Taylor, Willard W.....	Tamarora.....		
Telft, Ernst.....	Girard.....		
Telfer, John K.....	Morris.....		
Thome, Martin.....	Martinsville.....		

MINE EXAMINERS HOLDING CERTIFICATES OF COMPETENCY.

The revised mining law of 1899 changed the title or name "Fire Boss" to that of "Mine Examiner," and provided that those holding certificates as Fire Boss could exchange the same for that of Mine Examiner.

The names followed by the abbreviation "ex," have made such exchange; those by "d" are deceased. The list includes all Mine Examiners to whom certificates have been issued prior to January 1, 1908.

Name.	Postoffice.	Name.	Postoffice.
Abel, George.....	East Peoria.....	Barkley, George.....	Greenview.....
Adams, Alexander.....	Carterville.....	Barn, John T.....	Westville.....
Adams, William M.....	Centralia.....	Barlow, Harry.....	Johnston City.....
Aidrien, Charles H.....	Hanna City.....	Barwick, Sylvester.....	Carterville.....
Ainslie, Walter E.....	Zeigler.....	Bartman, Robert.....	Farmington.....
Akers, Max.....	Edwards.....	Barrowman, Geo. S.....	Bush.....
Allen, Ben.....	Virdeen.....	Barrowman, Wm. T.....	DeSoto.....
Allen, Fred.....	Centralia.....	Barrowman, James, Jr.....	Spring Valley.....
Allen, Taylor.....	Auburn.....	Basso, Joseph.....	Athens.....
Alexander, John.....	Cable.....	Baunder, Fred.....	Herrin.....
Alexander, David H.....	Pinekeyville.....	Baugh, William.....	Dawson.....
Amberger, Joseph.....	Chatham.....	Bauer, John H.....	Freeburg.....
Andree, John W.....	Greenview.....	Beechan, William.....	Cardiff.....
Anderson, James.....	Marion.....	Beecham, Walter.....	Brereton.....
Anderson, Wm.....	Glen Carbon.....	Beckman, Theodore.....	Glen Carbon.....
Anderson, Joseph T.....	Nashville.....	Beece, Charles.....	Belleville.....
Andrew, Thomas.....	Oglesby.....	Berg, Fred A.....	Mt. Olive.....
Andrew, Thomas.....	Kangley.....	Bertoglio, Peter.....	Virdeen.....
Appleby, Robert E.....	Peoria.....	Beggs, David.....	Fairbury.....
Archibald, George.....	Green Ridge.....	Beard, Jacob.....	Duquoin.....
Armstrong, J. J.....	Herrin.....	Beisel, John.....	Worden.....
Armstrong, George.....	Riverton.....	Belch, Thomas.....	Herrin.....
Argyle, Joseph.....	Coal City.....	Bell, Arthur.....	Carterville.....
Arnold, Stephen.....	Oglesby.....	Bell, William.....	Streator.....
Asbery, E.....	Salem.....	Beltz, F. J.....	Eldorado.....
Asberry, George S.....	Willisville.....	Bennett, David R.....	Mt. Olive.....
Asbery, J. B.....	Salem.....	Bennett, William.....	Danville.....
Ashton, John T.....	Farmington.....	Bergony, Henry.....	Toluca.....
Atkinson, John G.....	Cable.....	Berthold, Edward.....	Staunton.....
Avery, William.....	Belleville.....	Beger, E. Crust.....	Mt. Olive.....
		Bernard, Edward.....	Danville.....
		Bernthal, Carl.....	Worden.....
Back, Robert.....	Farmington.....	Berry, W. C.....	Staunton.....
Backes, John L.....	Mapleton.....	Brunson, Wm.....	Winchester.....
Bailey, David.....	Sunfield.....	Betson, Robt.....	Farmington.....
Bailey, William.....	Sunfield.....	Betson, Richard.....	Farmington.....
Bailey, Charles.....	Sunfield.....	Bettison, William.....	Canton.....
Baile, James W.....	Duquoin.....	Bevan, Wm.....	Spring Valley.....
Baird, Daniel.....	Sparta.....	Beynon, J. G.....	O'Fallon.....
Baker, Charles.....	Centralia.....	Biehl, Charles.....	Belleville.....
Baker, Sherrard.....	Gillespie.....	Bigelow, George.....	Spaulding.....
Baker, Robert.....	Auburn.....	Biroschik, John S.....	Streator.....
Baker, Samuel G.....	Auburn.....	Bishop, John, Jr.....	Sunfield.....
Baker, Wm. F.....	Murphysboro.....	Blair, Herbert M.....	Centralia.....
Baldwin, J. F.....	Equality.....	Blasck, Frank.....	Johnston City.....
Balzino, John.....	Toluca.....	Bluefield, Charles.....	Coal City.....
Barker, John.....	Centralia.....	Blakemore, George.....	Streator.....

Mine Examiners, Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Blenkinsopp, Thomas, Jr.	Cable	Cameron, Duncan	Virden
Blessing, Ben	Wesley	Cannon, John	Marquette
Blythe, Joseph	Gillespie	Capet, Moses	Coal City
Blue, J. W.	Grape Creek	Cappin, Aaron	Wenona
Blue, David	Thayer	Capstick, Arthur E.	New Baden
Blue, James	Thayer	Capstick, Wesley W.	New Baden
Bobell, Louis	Mt. Pulaski	Carlson, Andrew	Colfax
Both, J. Harvey	Marissa	Carr, J. W.	Odin
Booth, Enoch	Springfield	Carr, Wm.	Middletown
Bolt, Martin	Ladd	Carragher, Thomas	Zeigler
Ballinger, Charles	Farmington	Carroll, Anthony W.	Gillespie
Borg, Frank	Mt. Olive	Carter, Dillie	Cartersville
Bost, Lock	Pana	Carter, James	LaSalle
Boston, John W.	Tallula	Carter, Samuel	Braceville
Bouer, Benj. F.	Herrin	Carterell, Claude	Herrin
Bowen, Gwilym	Herrin	Carylon, J.	Oglesby
Bowen, Melvin I.	Blue Mound	Case, William	Diamond
Bowen, J. W.	Taylorville	Casey, James	Selbytown
Bowie, Thomas	Braidwood	Casey, John	Braidwood
Bowie, Robert	Braidwood	Casey, John	Williamsville
Bowman, Jacob	Salem	Cashen, W. P.	Lincoln
Boyer, John	Fairmount	Castillo, Henry (d)	Pana
Boyer, Albert	Sparta	Cave, Albert	Streator
Bogue, James J.	Springfield	Chadderton, John	Lenz Station
Bracewell, Warren	Danville	Champe, Wm. M.	Coffeen
Brayfield, Henry	Cartersville	Champ, J. W.	Colchester
Bradley, James L.	O'Fallon	Champley, James	Wenona
Bradley, James	Belleville	Chance, John	Farmington
Bradock, Joseph H.	French Village	Charnock, James	Decatur
Brantley, Edgar	Murphysboro	Charlton, Edward	Riverton
Breeze, John E.	Taylorville	Chere, W. L.	Middle Grove
Brennan, Patrick	Toluca	Christie, Wm. T.	Herrin
Brennan, John E.	Virden	Cisey, William T.	Ava
Brennan, George	Caseyville	Clark, Walter	Lebanon
Breen, John	Springfield	Clark, Robert	Farmington
Brewer, Emery A.	Mt. Pulaski	Clark, Joseph B.	Hornsby
Brinley, Wm.	Westville	Claunch, Marion	Reeves
Britton, Charles	Collinsville	Clelland, Wm.	Rutland
Brod, Peter A.	Odin	Craine, J. E., Jr.	Murphysboro
Brook, Isaac	S. Wilmington	Cruikshanks, Wm. A.	Witt
Brooks, Mac	Pleasant Plains	Cunningham, David	Carlinville
Brown, Ben F.	Bryant	Champley, James (ex)	Wenona
Brown, Harry	Hillsboro	Coleman, Mont	Virden
Brown, Leslie L.	Peoria	Collins, Charles S.	Murphysboro
Brown, Matthew	Springfield	Condon, Charles H.	Hanna City
Brown, Archibald	Streator	Combest, R. E.	Pana
Brown, John T.	Ledford	Counolly, Terrance J.	Assumption
Brown, G. J.	Elkville	Cansidine, John	Belleville
Brown, Thomas	Farmington	Coogan, William	East Peoria
Brooks, Peter (d)	Taylorville	Cook, William	Duquoin
Bryan, William	Virden	Cook, Frank	Westville
Bullough, James	Girard	Cook, Elijah	Wanlock
Bundy, John	Streator	Cook, Thomas	Belleville
Bumgartner, Andrew J.	Barclay	Cook, Thomas	Belleville
Burgess, Wm. W.	Johnston City	Cook, Amt.	Reeves
Burbridge, Charles	Farmington	Cooper, Moses	Athens
Burke, John	Westville	Connor, James	Tilden
Burnett, J.	Halldayboro	Cooper, Siemon	Springfield
Burnett, Thomas	Halldayboro	Corcoran, James	Cartersville
Burns, James, Sr.	Springfield	Corcoran, Charles	Cartersville
Burns, Geo.	Danville	Cordon, Richard	Coulterville
Burns, J.	Spring Valley	Cosgrove, Bernard	Sparta
Burns, Wm. S.	Gillespie	Cosgrove, John	Sparta
Butler, W. H.	Percy	Costello, Henry (ex) (d)	Pana
		Cowley, William	Duquoin
		Cowley, Peter	Westville
Cadmus, George T.	Lebanon	Crane, Roy	Tamara
Cahill, W. H.	Royalton	Crichton, Lawson	Taylorville
Campbell, Robert	Witt	Crofts, Robert	Cardiff
Campbell, James	Assumption	Critchey, Harry	Glen Carbon
Campbell, John J.	Seatonville	Cross, Thomas	Johnston City
Campbell, Edward	Pekin	Connaughton, Edward	Belleville
Campbell, Wm. A.	Seatonville	Cox, E.	Centralia

Mine Examiners, Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Cox, Norman	Murphysboro	Edwards, Thos.	Murphysboro
Cox, W. E.	Centraha	Edwards, Paul L.	Eldorado
Cox, Will M.	Edwardsville	Ehlert, William	Mt. Olive
Cumming, J. M.	East Peoria	Ellison, Charles R.	Pana
Cummins, Ross	Danville	Emmerson, Arthur	Carterville
		English, Thomas	Streator
Dacy, William	Springfield	Esper, Frank	Spaulding
Daenzer, John A.	Glen Carbon	Ersenberg, H. W.	Peru
Dailey, Charles	Springfield	Eubanks, Edward R.	Hallidayboro
Dale, John	Streator	Euright, James	Farmington
Dallas, Charles	Odin	Eudean, John	Farmington
Dale, Henry, Jr.	Herrin	Ernest, Lewis	Mt. Olive
Davis, John	Kingston Mines	Evans, John	Sandoval
Daly, William	Staunton	Evans, Edward J.	Pekin
Dalzell, Andrew	S. Wilmington	Evans, Wm. A.	Danville
Damrath, Frederick	Virdeu	Evans, Gwilym I.	Duquoin
Dangerfield, Edward	Herrin	Evans, Evan P.	Cuba
Daniel, John	Belleville	Evans, Reese	Kangley
Daughterty, Chas.	Spring Valley	Evans, William R.	Farmington
Daniels, David	Belleville		
Dave, Charles	Lenzburg	Fairburn, Geo.	Streator
David, Emmer E.	Astoria	Fairley, Matt	Farmington
Davis, George	Springfield	Falconer, George P.	Belleville
Davies, Thomas	Nilwood	Fareno, Joseph	Streator
Davis, William	Streator	Farmer, James	Marissa
Davis, Thomas	Streator	Farrand, Walter	Barelay
Davis, John E.	Cambria	Farrell, John H.	Springfield
Davis, William H.	Streator	Farrimond, Joseph	Staunton
Davis, Jackson	Athens	Faughn, James Lewis	Murphysboro
Davis, William	Streator	Ferges, Edmund	Herrin
Davis, John	Taylorville	Ferguson, Wm.	So. Wilmington
Davis, Wm. J.	Spring Valley	Fickart, Henry	Staunton
Davenport, W. H.	Hillsboro	Ficker, F.	Staunton
Davidson, Frank A.	Sparta	Fiellingham, John E.	Peoria
Davidson, Forest W.	Sandoval	Firth, Ben.	Virdeu
Davidson, Wm.	Christopher	Felto, Logan	Johnston City
Davidson, William D.	Sandoval	Felton, Harry	Petersburg
Day, Louis B.	Taylorville	Finn, Michael	So. Wilmington
Day, John H.	Belleville	Flynn, Edward	Duquoin
Dayton, J.	Roanoke	Flynn, Charles	Pana
Dawkins, Wm. E.	Rentchler	Flynn, Wm.	Willsville
Deming, Frank R.	Zeigler	Flynn, John	Duquoin
Dickey, J. G.	Sparta	Flynn, Wm. H.	Carterville
Dickinson, Wm. F.	Athens	Fletcher, Earl	Duquoin
Dickinson, Geo.	Chatham	Ford, Charles	Centraha
Diehl, Louis	Belleville	Ford, John	Tilden
Dilts, Harry	Farmington	Forsythe, Hugh	Marissa
Dillon, James	Braidwood	Foster, Ralph	Marion
Dodge, H. N.	East Peoria	Foster, Charles	Riverton
Doeris, Charles	Harrisburg	Foster, Luke	Farmington
Dobbs, Henry	LaSalle	Fox, John	Elmwood
Doerr, Emil	Johnston City	Frank, Anton	Freeburg
Donnelly, Andrew	LaSalle	Fremgen, C. J.	Glen Carbon
Donnier, P. J.	Westville	Fremger, Hubert	Mt. Olive
Dooracheck, Emil	Belleville	Fremgen, C. W.	Glen Carbon
Donkin, Jonathan, Sr.	LaSalle	Fren, Thos.	Staunton
Donivan, Dan	Johnston City	Fround, Isaac	Taylorville
Downs, Thomas	Westville	Freyer, Alfred	Springfield
Dowell, W.	Danville	Frankovitch, Joseph	Kangley
Dowell, William C.	Centraha	Fraugen, William	Troy
Draper, Orason	Divernon	Funk, William	Johnston City
Draper, John	Clifford	Fuller, P. H.	Pekin
Drake, Jess.	Glen Carbon	Fuholler, Ross	Streator
Dubois, James	Oglesby		
Duncan, John C.	Murphysboro	Gahagan, Frank	Harrisburg
Dunkel, George E.	Pleasant Plains	Galbraith, Patrick	Coal City
Dusenberry, Walter	Marissa	Galvin, Martin	Assumption
		Galligher, J. M.	Carterville
Eadie, John	Sherman	Galligan, Michael	Herrin
Eddy, Geo.	Streator	Gamble, David	Farmington
Edmunds, Morgan	Mt. Olive	Gastenecker, William	Troy
Edwards, Benj.	Westville	Gebauer, Joseph	Glen Carbon
Edwards, Randolph J.	Tilden	Geddis, Hamilton A.	Chatham

Mine Examiners, Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Gerit, Albert C.	Staunton	Harvey, C. M.	Williamsville
Gerlity, Herman	Marissa	Hatmaker, Sterling	Herrin
Getteman, L.	Centralia	Hawkins, Sidney	Belleville
Greibandy, Honroe	Westville	Hayden, G. S.	Wenona
Gibel, Nick	Springfield	Hayden, Martin	Sherman
Gillespie, John	Divernon	Hayes, Webster	Glen Carbon
Gillespie, James	Cantrall	Hanson, Charles	Danville
Gladson, Leo	Duquoin	Hannah, Edward	Springfield
Gleich, Fred	Pekin	Hanna, James	Mayton
Glover, Richard	Belleville	Hanison, William	Belleville
Gloss, Michael	Gardner	Hardin, Hiram H.	Divernon
Goebe, William	Staunton	Harvey, Frank	Springfield
Goddard, W. H.	Herrin	Haskins, Joseph	Catlin
Gosnell, N. F.	Herrin	Hedges, R. A.	Herrin
Gosnell, Ira	Herrin	Hessler, John E.	Belleville
Goss, Robt.	Streator	Hillery, T.	Sherrard
Grabruck, Emile	Gardner	Haywood, Joseph	Centralia
Graham, L. A.	Bloomington	Hebenstreet, J. A.	Staunton
Graham, Albert	Virdeu	Heck, Mat	Belleville
Graham, Geo.	Virdeu	Hehn, Fred	Sparta
Graham, Robt. H.	Springfield	Hellery, G. M.	Dunfermline
Gramlich, Fred W.	Belleville	Hedington, W. T.	Coulterville
Gray, Alexander	Gillespie	Helm, Theodore	Staunton
Gray, James C.	Girard	Helm, Guido	Mt. Olive
Gray, Henry	Athens	Hemmersbach, Peter	Farmington
Gray, William	Streator	Hemphill, Clarence W.	Marissa
Green, Wm. H.	Belleville	Henley, J. H.	Odin
Green, J. W.	Springfield	Hensler, Bruno	Mt. Olive
Green, Thomas H.	Springfield	Henley, John, Jr.	Odin
Greenam, John	Coal City	Henderson, John D.	Herrin
Gregor, Charles	Springfield	Henderson, Alexander	Springfield
Grieve, Peter	Belleville	Henderson, J.	Spaulding
Grier, Robt.	Tice	Henny, Jackson	Farmington
Grier, Jess.	Belleville	Herbert, Albert W.	Athens
Grieve, Robt.	Collinsville	Hergert, Joseph M.	Lincoln
Griffin, John B.	Niantic	Herring, Albert	Murphysboro
Griffith, Peter	Paisley	Heron, George	DeSoto
Griffiths, Evan	St. David	Herbert, Stephen	Staunton
Griffith, David	Centralia	Hexter, John	Freeburg
Grills, Landon C.	Duquoin	Herzog, W.	Glen Carbon
Groom, Isaac	Belleville	Hickman, Lewis H.	Bissell
Guiney, Martin	Marion	Hill, Peter H.	Hillsboro
Guiney, Robert	Herrin	Hickey, John	Mt. Olive
Guthrie, J. C.	Herrin	Hittmiur, John	Mt. Olive
Guthrie, F. T.	Minonk	Hines, William	Rutland
Guy, John	Streator	Hippard, W. J.	Belleville
		Hippard, Edwin J.	Coulterville
		Hocking, Arthur J.	LaSalle
Hackett, Joseph	Blue Mound	Hoge, James P.	Streator
Haddow, Thomas	Pana	Hodder, Jacob	Norris
Haftter, Charles	Mt. Olive	Hoffman, Albert Otto	Girard
Haftter, Paul E.	Mt. Olive	Hood, John	Divernon
Hardman, J. J.	Auburn	Hooper, Geo.	Winchester
Hall, Joseph	Auburn	Houston, Robert J.	Lebanon
Hall, Thomas	Auburn	Holcomb, Reuben	Westville
Hall, Albert	Herrin	Holcomb, Steve	Westville
Hall, John W.	Riverton	Holden, Andrew	Coal City
Hall, Tead	Murphysboro	Holman, W. A.	Danville
Hahnbacher, Frank	Decatur	Hope, Geo.	Johnston City
Harris, William	Hallidayboro	Hopkins, Reese	Litchfield
Harrison, James	Athens	Hopkins, David	Willisville
Harrison, John	Odin	Homer, Fred	Sandoval
Haun, George	Litchfield	Horning, E. E.	Harrisburg
Hamilton, David	Assumption	Hotiriz, Alexander	Edwardsville
Hampton, Harry	O'Fallon	Howell, J.	Carterville
Handwright, J.	Virdeu	Howell, John W.	Staunton
Haisfield, Aaron	Oglesby	Howells, George	Staunton
Hart, Chas. J.	Virdeu	Hoye, William	Braidwood
Harris, Tom	DeSoto	Honbaun, M.	Herrin
Harris, William	Hanna City	Hughes, John	Decatur
Harrison, Robert	Cornell	Hughes, Frank P.	Kangley
Harrison, John, Jr.	Coulterville	Hutchinson, Ralph	Barclay
Harron, Walter	Sorento	Huyett, Lester	Farmington
Haselton, F.	Springfield	Hutton, John	Auburn

Mine Examiners, Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Idle, Hiram		Kimmel, Theodore	Hallidayboro
Irrer, Daniel	Mt. Olive	Kingsley, G.	Kingston Mines
Ingerski, Stock, B.	Minonk	Kingsley, T.	Kingston Mines
		Killingworth, Chas. H.	Pinckneyville
		Kleist, Theodore	Mt. Olive
Jackson, John	Marion	Klein, Andrew	Streator
Jackson, Benj.	Norris	Klingenfus, Wm.	Belleville
Jackson, E. W.	Christopher	Kloefer, Matthew	Pana
Jackson, Thomas	Cable	Knapp, Charles	Seatonville
Jacobs, Walter	Johnston City	Knapp, Jerome	Duquoin
Jacobs, Geo. A.	Streator	Knies, Harry	Breese
James, Jonah	Grape Creek	Koehler, Charles	Lincoln
James, Walter	Divernon	Kohers, Adam	Breese
Jaques, Charles	Riverton	Kalkmann, Gustav	Marissa
Jarrell, Edward	Harrisburg	Kortkamp, Karl	Hillsboro
Jarniski, Mike	Streator	Kortkamp, Lewis	Hillsboro
Jarrard, John	Johnston City	Kosesky, Abel	LaSalle
Jarrard, John	Johnston City	Krallman, Chas.	Glen Carbon
Jasper, John	Duquoin	Kramer, Frederick	Centralia
Jeffries, Thomas R.	Herrin	Kramer, Leo	Mt. Olive
Jefford, Thos. H., Jr.	Glasford	Kreppert, William	Springfield
Jeffrey, John	Murphysboro	Krump, Chas.	Lebanon
Jenkins, Richard	LaSalle	Krumeich, John A.	Glen Carbon
Jenkins, A. J.	Peoria	Kuehnel, August	Braceville
Jenkins, T. C.	Murphysboro	Kunkle, Edward	Middletown
Jenson, August	Breese		
Jenkins, August H.	Staunton	Lamar, Frank	Worden
Jennins, Wm. M.	Athens	Lamb, George	Springfield
Jeremiah, John J.	Duquoin	Lauder, Frank	Carterville
Jerdon, Otto	Herrin	Langhorn, Edward	Johnston City
Jeten, T. F.	Roanoke	Lanxon, Walter	Belleville
Johnson, David	Oglesby	Larrick, O. O.	Divernon
Johnson, Peter J.	Pekin	Lasley, Wm.	Hallidayboro
Johnson, Samuel	Oglesby	Lawson, Arthur	Edwardsville
Johnson, James N.	Carterville	Lawson, John	Cable
Johnson, Nels.	Johnston City	Lawson, Thomas	Johnston City
Johnston, John M.	Reeves	Lawson, Edward H.	Percy
Jones, Alex.	Oglesby	Lawrence, Geo.	Spring Valley
Jones, Thomas H.	Centralia	Leach, John	Auburn
Jones, Ben J. (ex)	Coffeen	League, Albert	New Baden
Jones, David L., Jr.	Taylorville	Ledford, L.	Ledford
Jones, John E.	Paisley	Lettsun, Wm.	Seneca
Jones, Thomas	Lebanon	Lee, John J.	Belleville
Jones, John	Duquoin	Linton, Quincy M.	Gillespie
Jones, Willis	Springfield	Little, Claud	Vandercreek
Jones, Benj. J.	Herrin	Little, Wm.	Herrin
Jones, Morgan	Coffeen	Lehwald, Herman	Springfield
Jones, Robert R.	Litchfield	Lloyd, Roland R.	Barclay
Jones, Wm. Hy.	Oglesby	Loeffler, Anton	LaSalle
Jones, John O.	Catlin	Loescher, Chas. B.	Mt. Olive
Jones, David	Braceville	Lolley, Chas.	Canton
Jones, John	Westville	Longshore, Harry A.	Duquoin
Jones, Thomas	Clark City	Long, J. W.	Norris
Jones, Thomas	Taylorville	Londrigan, Joseph	Springfield
Jones, Jordan Robert (d.)	Streator	Lockhart, James M.	Sunfield
Jordan, Alfred	St. David	Lockard, M. J.	Tower Hill
Jourdain, Ramond	Springfield	Lore, William	Springfield
		Lorden, Michael	Centralia
Kane, J. M.	Springfield	Love, Jas.	Herrin
Kancy, John	Centralia	Love, Claude	Farmington
Kaiser, Frank	Belleville	Loves, John	Benton
Kavny, John R.	Troy	Lumaghi, Louis F.	Collinsville
Keating, John P.		Lyons, Mark	Lincoln
Keages, Charles	Wesley City		
Kelly, Thos. E.	Petersburg	Macke, Jacob F.	Ledford
Kenney, Wm.	Sparland	Mahr, Edward	Lincoln
Keinbush, David	Farmington	Madison, Joseph	Sherman
Kepper, Wm.	Peru	Maitlang, H. S.	Nashville
Kerchner, John	Belleville	Malcor, Henry	Riverton
Kerr, George	Fairbury	Malcor, Frank	Springfield
Kidd, Wm.	Witt	Malcor, Joseph P.	Spring Valley
Kidd, S. A.	Oglesby	Malban, Samuel	Farmington
Kilia, Charles J.	Belleville	Manees, Charles	Centralia
Kimball, Ben	Zeigler		

Mine Examiners, Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Mann, Jacob	Mascoutah	Mulhollen, Peter	Bissel
Markel, Albert	Hillsboro	Mulligan, Thomas	Springfield
Marland, Wm.	Sparland	Mullage, Jos.	Worden
Marland, Wm.	Staunton	Mulling, Edward	Farmington
Markham, John J.	Taylorville	Mulhollin, Joseph	Springfield
Mason, Myrick	LaSalle	Munster, James	Muncie
Martin, Samuel	Glen Carbon	Muir, Andrew	Springfield
Martin, William	LaSalle	Murphy, John	Braitwood
Marsteiner, J. J.	Tamaroa	Murphy, Peter	Hillsboro
Maggs, Jacob	Danville	Murphy, Michael	Pana
Massie, Alfred N.	Belleville	Murrell, Wm.	Westville
Massie, J. G.	Belleville	Murry, James	Auburn
Matthews, John E.	Riverton	McAdam, Joe	Pana
Mee, James	Spring Valley	McAleney, Edward	Springfield
Mee, Peter J.	Spring Valley	McAlphin, W. H.	Marion
Merkel, Benj.	Sandoval	McCall, Maurice R.	Odin
Mayne, Thomas	Glen Carbon	McCranor, James	Girard
Maynard, Thomas	Wanlock	McCarnes, Henry	Marissa
Maxwell, William	Eldorado	McCrindle, David	Oglesby
Mayhen, R. G.	Murphysboro	McConkey, Geo.	Marion
Meyer, B.	Staunton	McDade, David	Edwardsville
Meyer, Louis	Breese	McDonald, Wm.	Braidwood
Myers, Isaac	Harrisburg	McDonald, Adam S.	Dalzell
Midyett, Jesse	Hallidayboro	McDonald, Archibald	Westville
Millett, John	Collinsville	McDonald, Robert	Dalzell
Millett, Thomas	Troy	McDill, James	Assumption
Mitchell, Elijah J.	Farmington	McEwen, Charles	Carbon Hill
Mitchell, T.	Duquoin	McFadden, Wm.	Danville
Mitchell, Seliz	Marissa	McKillop, Donald	Carbon Hill
Mitchinson, John	Hanna City	McLachlan, Alexander	Springfield
Middletown, J. L.	Salem	McLachlan, John	Springfield
Miller, James	Edwardsville	McMillan, John	Gillespie
Miller, Alexander	Ridge Prairie	McGarrity, John	Springfield
Miller, Chas. H.	Glen Carbon	McKenzie, Alex. C.	Canton
Miller, C.	Glen Carbon	McKinnie, Hugh (d)	Springfield
Miller, John K.	Staunton	McKinney, Albert	Springfield
Miller, J. C.	Gillespie	McKinlay, David	Farmington
Miller, G. W.	Pawnee	McLaughlin, John P.	Auburn
Miller, Albert	Glen Carbon	McLaughlin, Patrick	Chatham
Miller, W. W.	New Douglas	McBride, George	Mascoutah
Milfs, G. J.	Lincoln	McFall, John	Springfield
Miles, E. E.	Centralia	McLaughlin, Wm.	Duquoin
Milenky, Michael	Mt. Olive	McLaughlin, Henry	Winchester
Mitchell, Andrew	Johnston City	McLean, Wm. F.	Iles Junction
Moffat, A. S.	Sparta	McManaman, John	Westville
Molloy, John	Blue Mound	McManaman, Edward	Westville
Monghan, T. P.	Springfield	McRae, Roderick	Belleville
Monson, Charles	Springfield	McNally, Arthur	Wenona
Monroe, W. R.	Carrier Mills	McVey, G. R.	Sorento
Montgomery, Wm.	Harrisburg	McQuinn, Robert	Sunfield
Moorcraft, Thomas	Farmington		
Mooney, Arthur	Chatham		
Moore, Wm. A.	Springfield	Nation, Henry C.	Glen Carbon
Moran, Thomas	Assumption	Naylor, T. W.	Glen Carbon
Moran, Patrick	Marquette	Neal, Edward O.	Wolcott
Morgan, Daniel S.	Springfield	Neil, A.	Spaulding
Mornkio, Peter	Glen Carbon	Neil, Warren	Danville
Morin, W. M.	Herrin	Neil, F. C.	Gillespie
Montjoy, John A.	Clark City	Neimes, William	St. David
Morris, James P.	Centralia	Newton, Walter	Spring Valley
Morris, Earl	Duquoin	Nesbit, Charles	Freeburg
Morris, John T.	Harrisburg	Nesbit, William	Belleville
Morrell, Fred	LaSalle	Nestler, Wm.	Spring Valley
Morgan, E. T.	Georgetown	Neubauer, Julius	Troy
Morgan, Joseph	Streator	Neylen, Dennis	Shelbytown
Morgan, George L.	Glen Carbon	Nichleson, Geo.	Tower Hill
Morris, John H.	Wenona	Nichols, Eli W.	Dunfermline
Morton, Luther	Reeves	Nichols, Walter	Benton
Moses, John L.	Johnston City	Nichols, Walter	Benton
Mosinmann, Fred	Troy	Nixon, Robert	Streator
Moughan, John J.	Springfield	Nordine, John	Bloomington
Moss, Thomas	Staunton	Nordman, Joseph	Breese
Moss, Thomas, Jr.	Livingston	Nordner, C. K.	Athens
Muentrich, J.	Staunton	Norton, Wm.	Glen Carbon
Muhs, Joseph	Belleville	Noll, Charles	Springfield

Mine Examiners, Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Noll, Peter	Belleville	Quinn, Bernard	Bloomington
Nordman, Ferdinand	Breese	Quinn, Thos. J.	Lucolin
Novak, Peter	Minonk		
Nuttall, J. F.	Athens		
Nye, C. L.	Decatur		
O'Brien, Thomas	LaSalle	Raab, Rudolph	Carlinville
Oexner, Frank	Belleville	Race, George	Springfield
O'Connor, Patrick F.	Paisley	Rackley, Emery	Pinckneyville
O'Connor, Henry	Spring Valley	Rae, Robert	Carbon Hill
Odum, Wiley	Harrisburg	Rainey, S. G.	Harrisburg
Ogles, Virgil	Marissa	Randall, Wm.	Belleville
Onul, John	Germantown	Ranse, Wm. E.	Farmington
Olson, John	Danville	Rankin, Thomas A.	Westville
Olive, Wm.	Maryville	Ready, Thos.	Springfield
Oloyd, Peter W.	Springfield	Redpath, S. E.	Mechanicsburg
Oyes, Frank	Carmichael	Rearely, G. W.	Riverton
Opp, Sherman W.	Canton	Reid, Andrew	Springfield
Orniston, John	Harrisburg	Reed, Albert	Braidwood
Owens, Evan	Auburn	Reed, James	Dunfermline
		Rees, Henry	Lebanon
		Rees, L. M.	Hallidayboro
		Reeser, John	Springfield
		Rehg, Charles	Belleville
		Rennison, Henry	St. John
		Reuter, Max	Staunton
Parker, Joseph	Carbon Hill	Reynolds, John	Streator
Parkinson, W. A.	Herrin	Reynolds, Andrew	Danville
Parker, Will C.	Harrisburg	Reynolds, David	Muncie
Paseo, James H.	Belleville	Reville, M. A.	Duquoin
Patton, George A.	Sandoval	Rhodes, D. R.	Pana
Paul, John	Marion	Rhodes, J. L.	Westville
Paul, Thomas W.	Marion	Rice, Geo.	Springfield
Payne, Perry	Litchfield	Richards, James	LaSalle
Payne, Emanuel	Litchfield	Rigby, John	Kingston Mines
Pearson, George	Glen Carbon	Ritchie, John	Glen Carbon
Peart, John	Braidwood	Ritson, Hugh	Farmington
Peart, Jno., Jr.	So. Wilmington	Rider, James H.	Pontiac
Peck, William	LaSalle	Richard, James	Belleville
Percy, Robert	Tilden	Richardson, Thos.	Streator
Pelock, Wm.	Pekin	Richter, Franz B.	Springfield
Petrie, Geo. L.	Collinsville	Robertson, Alexander	Murphysboro
Peters, Benjamin	Streator	Robertson, R. W.	Johnston City
Pettigrew, A.	Roanoke	Roberts, Evan	Danville
Pettigrew, J.	Roanoke	Roehl, Chas.	Mt. Olive
Pettigrew, Robert	Roanoke	Robinson, Thos. J.	Greenview
Petty, John	Herrin	Robinson, Robt.	Athens
Phelan, Augusta J.	Lincoln	Robbins, Aaron	Mt. Pulaski
Phelps, George	Herrin	Roger, James	Virden
Phillips, Benjamin	Kangley	Rogers, William J.	So. Wilmington
Phillips, Daniel	Spring Valley	Rollo, Geo., Jr.	Pana
Phillips, Wm. C.	Streator	Rolls, Richard	Pana
Pick, Edward	Central City	Rolls, James	Pana
Pickett, J. W.	Spring Valley	Rolandelley, C. D.	Clarke City
Pickering, John L.	Harrisburg	Rason, John P.	Duquoin
Pickon, Felix	Danville	Ross, S. H.	Gillespie
Pickton, John L.	Farmington	Ross, John H.	Gillespie
Pickus, August	Decatur	Rothenberg, Paul	Spring Valley
Pierard, Edward	Coal City	Rowlands, Iver	Virden
Pinson, Samuel	Colleen	Royster, William	Duquoin
Frankie, A. H.	Pana	Rozanski, Michael	Taylorville
Pleschner, Oscar J.	Westville	Ruble, E. E.	Roanoke
Plumber, Arthur	Duquoin	Rude, Michael	DeSoto
Preval, Fred	Springfield	Rucker, Charles	Georgetown
Price, Fred W.	Edinburg	Russell, Duncan	Danville
Petrie, Joseph	Belleville	Russell, A. A.	Edwardsville
Poole, Robert H.	Belleville	Runnels, Geo.	Johnston City
Potter, E.	Hanna City, R. R.	Ruff, William	Troy
	No. 1	Rufus, H. H.	Danville
Powell, David	Murphysboro		
Price, John B.	Marissa		
Price, Wm.	Bruceville		
Prince, Thomas	Mt. Olive	Saathoff, John	New Baden
Proser, Morgan	Livingston	Sanders, Fred	Herrin
Prudent, Edward	Centralia	Sands, Alonzo P.	Maryville
Pulliam, Albert J.	Ladd	Sauer, G. G. Fred	Belleville

Mine Examiners, Certificates of Competency—Continued.

Name.	Postoffice.	Name.	Postoffice.
Saurs, C.	Peoria	Snyder, Henry	Herrin
Savage, Mike	Lincoln	Sollis, John	Centralia
Savill, Wm.	Streator	Sorrell, Harry H.	Pana
Sawyer, L. C.	Taylorville	Southworth, Andrew P.	Belleville
Scattergood, John	Barclay	Spaulding, J. H.	Worden
Schardin, Henry	Collinsville	Soulsby, Henry	Mt. Olive
Schmidt, Conrad	Lincoln	Spiller, George	Johnston City
Schmidt, Henry	Staunton	Spires, Alfred	Braceville
Schmidt, A. R.	Spaulding	Spires, E.	Braceville
Schmithausen, Theodore	Mt. Olive	Spires, William	Braceville
Scarrett, William	Streator	Stafford, Frank	Lebanon
Schrader, Joseph H.	Murphysboro	Steel, Daniel	Collinsville
Scattergood, James	Dawson	Steele, D.	Centralia
Schoenbeck, A. C.	Belleville	Steel, Neal	Centralia
Schuette, H. F.	Mt. Olive	Stearns, James	Hallidayboro
Scheller, Julius	Mt. Olive	Stearns, John	Hallidayboro
Schrayner, Moses	Springfield	Stewart, W. B.	Virden
Schmelz, M. A.	Springfield	Stoneburner, L. L.	Sorento
Schreier, Gustave	Divernon	Sullivan, Michael	Tallula
Schiber, Rudolph R.	Glen Carbon	Slow, Michael	Braceville
Scott, Wm. J.	Springfield	Steiber, Anton	Glen Carbon
Scott, James	Springfield	Stephens, Willie	Oakwood
Scoby, Ray	Gilchrist	Steines, Benjamin	Willisville
Sebastian, Charles	Freeburg	Steux, Adolph	Auburn
Seidl, Frank J.	Sandoval	Stevens, Walter	Streator
Self, J.	Glen Carbon	Stevens, John	Cuba
Secor, T. D.	Odin	Stewart, John T.	Coulterville
Settles, Allen	Elmwood	Stewart, Ray	White Ash
Severit, Albert	Belleville	Stirrat, James	Canton
Shanahan, Patrick H.	Gillespie	Stieff, W. H.	Eldorado
Shanahan, George W.	Gillespie	Stirrup, Alfred	Duquoin
Shannon, Thos.	Worden	Stone, Wm.	Sherrard
Shannon, Abraham	Carbon Hill	Stone, Herman R.	Herrin
Snedden, Alex	Hollis	Stockman, Wm. C.	Belleville
Short, Thomas	Pekin	Straub, Joseph	Glen Carbon
Shurin, Peter	Auburn	Streitner, J.	Kewanee
Shroyer, Edward	Dufermline	Stricklin, Wm. H.	Harrisburg
Shuster, Harb C.	Peoria	Stricklin, Clarence S.	Harrisburg
Shuster, B. J.	Peoria	Stuart, J. R.	Duquoin
Shaw, Henry	Spring Valley		
Siddall, Edward	Streator	Taake, Henry H.	Central City
Siddall, John W.	Streator	Taulbee, E. E.	Hillsboro
Siddall, James	Streator	Taylor, Henry	Belleville
Simpson, James I.	Springfield	Taylor, Arthur J.	Belleville
Sine, C. A.	Herrin	Taylor, John P.	Belleville
Sisler, Ernest J.	Maryville	Templeton, Wm. H.	Carterville
Smith, Geo. F.	Farmington	Templeton, Wm. C.	Carterville
Smith, Geo. A.	Sandoval	Thaine, James	Litchfield
Smith, Arthur J.	Springfield	Thackston, Charles	Glen Carbon
Smith, Geo. T.	Dawson	Thedford, Ira	Herrin
Smith, Henry	Smithton	Thom, John	Coal City
Smith, William H.	Taylorville	Thomas, John R.	Spring Valley
Smith, John P.	Glen Carbon	Thomas, Thos.	Eldorado
Smith, James	Streator	Thomas, Thomas	Sesser
Smith, George W.	Carterville	Thomas, D. J.	Riverton
Smith, Benjamin	Canton	Thomas, W. J.	Spring Valley
Smith, Harry	Troy	Thomas, Wm. J.	Divernon
Smith, Ephraim	Westville	Thompson, Wm.	Mt. Olive
Smith, John H.	Herrin	Thorunt, Joseph, Sr.	Trenton
Smith, J. I.	Farmington	Thrush, David Z.	Hanna City
Smith, William	Belleville	Trush, Wm. H.	Hanna City
Smith, Paul	Springfield	Thrush, David S.	Canton
Smith, Wm. F.	O'Fallon	Thomas, David	Centralia
Smith, Joseph	Virden	Tillman, Henry	Centralia
Smith, Holden J.	Centralia	Tillery, Geo.	Belleville
Smith, Joseph	Moweaqua	Titler, William L.	O'Fallon
Smith, Matt	Centralia	Thompkins, Frank	St. David
Smith, Alex	Danville	Tollmer, Fred	Glen Carbon
Smith, John D.	Muncie	Tounslay, William	Kangley
Smith, Edward	Glen Carbon	Towers, Wm.	Zeiger
Smith, Manford	Farmington	Tonner, Martin	Beneld
Smart, James H.	Cuba	Trigg, Geo. H.	Cuba
Skipworth, James F.	Carterville	Tretter, Joseph	Johnston City
Sneddon, Michael	Chatham	Tregoming, Geo.	Murphysboro
Sneddon, George	Chatham		
Snigler, Edward	Johnston City		

Mine Examiners, Certificates of Competency—Concluded.

Name.	Postoffice.	Name.	Postoffice.
Tregoining, Walter	Carterville	Willard, Charles S.	Glen Carbon
Turner, Daniel	Thayer	Wilderman, John H.	DeSoto
Tumbleson, Thomas	Worden	Williams, C. C.	Oglesby
Twigger, Amos	Riverton	Williams, John	Belleville
		Williams, James	Livingston
		Williams, T. J.	Cardiff
Upperdine, Luke	Willisville	Williams, Anthony	Centralia
		Williams, Malvin D.	DeSoto
Valew, Edward	Glen Carbon	Williams, William H.	Edinburg
Vaughn, Robert	Belleville	Williams, William F.	Pekin
Vallow, Ellis	Kinmundy	Williams, E. A.	Carterville
Van Norman, Norman	Peoria	Williams, David	Coffeen
Varner, J. M.	Maryville	Williamson, Jacob H.	Bissell
Virdeber, John	Lincoln	Williamson, Jacob	Bissell
Vit, Charles	Litchfield	Wilson, Henry, ex.	Pana
Vickers, Michael J.	Braidwood	Wilson, J. M.	Springfield
Vogsey, John T.	Springfield	Wilson, James R.	Hillsboro
		Wilson, Arthur	Carterville
		Wilson, Edwin	Belleville
		Wilson, G. A.	Sparta
Waite, Walter	Spring Valley	Wilson, John	Sparta
Waite, Charles	Oglesby	Williams, William E.	Streator
Walker, James	Marion	Williams, David	Litchfield
Walker, William	Wilmington	Williams, Thomas	Kinmundy
Walker, W. R.	Glen Carbon	Williams, Josiah	Witt
Walsh, John	Cuba	Wilson, Henry	Pana
Wall, David	Divernon	Wilson, W. A.	Belleville
Wall, J. E.	Divernon	Wilson, Robert	Nokomis
Wallace, John	Carterville	Wilson, John H.	Harrisbnrg
Ward, John G.	Streator	Winterbottom, John	Sparta
Ward, Robert, ex.	Streator	Winterbottom, J. G.	Sparta
Ward, Wilson	Paisley	Winning, W. W.	Carterville
Wardell, John	Marion	Wonderlick, John	Marissa
Warembury, August	Orchard Mines	Wolf, John D.	Lincoln
Warfington, Frank	Divernon	Wood, William	Streator
Waugh, Robert	Herrin	Wood, Henry	Troy
Watson, Thomas	Central City	Woodson, William R.	Springfield
Watson, John A.	Carterville	Woodson, E. L.	Springfield
Watson, John	Worden	Worthington, Hillard	Hallidayboro
Watson, James R.	Carterville	Wright, Ed. J.	Reeves
Watt, William	Petersburg	Wright, David	Carterville
Wendler, Adelbert	Glen Carbon	Wright, Robert E.	Equality
Westwood, F. T.	Belleville	Wright, William C.	Centralia
Westwood, Joseph E.	Staunton	Wright, Thomas	Belleville
Whalen, Michael	Greenridge		
White, Louis	Spring Valley		
White, John	Pana	Yakcop, George	Streator
White, William H.	Riverton	Yemm, William	Gillespie
White, Robert	Belleville	Young, Sidney J.	Canton
Whitcamper, Louis	Lincoln	Young, Alexander	Sawyer ville
Whitted, R. H.	Nokomas		
Whitehead, Edward	Farmington		
Wilkinson, George R.	Bissell	Zager, William	Lenzburg
Wetherell, James	Ladd	Zagerman, Joseph	Mt. Olive
Weisgerber, Fred	Johnston City	Zink, P. J.	Belleville
Wigham, William G.	Sparta		

MINE EXAMINERS, CERTIFICATES OF SERVICE.

Name.	Postoffice.	Name.	Postoffice.
Arnold, Stephen.....	Kangley.....	Knepper, David.....	Girard.....
Bagshaw, George W.....	Virden.....	Kopps, August.....	Girard.....
Blakeman, George.....	Streator.....	Kortcamp, Carl.....	Hillsboro.....
Borg, Frank.....	Mt. Olive.....	Kortcamp, Lewis.....	Hillsboro.....
Boulton, Henry.....	Coal City.....	Lewis, Edward.....	Ladd.....
Bough, William.....	Dawson.....	Moffett, Edward A.....	Bartonville.....
Brooks, Peter.....	Taylorville.....	Montgomery, John H.....	Gardner.....
Brown, John.....	Streator.....	Mooney, Arthur.....	Kangley.....
Caveny, Edward.....	Pana.....	McDonald, M. E.....	LaSalle.....
Davis, Thomas.....	Nilwood.....	Ross, S. H.....	Girard.....
Franzen, Mat.....	Girard.....	Schmidt, Ernest.....	Mt. Olive.....
Gray, William.....	Streator.....	Schultz, John.....	Diamond.....
Griffin, John.....	Niantic.....	Shaw, Francis M.....	Hallidayboro.....
Hall, John Herbert.....	Minonk.....	Shopman, John.....	Mt. Olive.....
Hoesfield, Aaron.....	Oglesby.....	Siebenhawer, Wm.....	LaSalle.....
Hornanor, Paul.....	Lincoln.....	Sloufskie, Herman.....	Decatur.....
Hughes John.....	Decatur.....	Stewart, Samuel.....	Coal City.....
Humphreys, William.....	Clark City.....	Taylor, Samuel.....	O'Fallon.....
Jenkins, Rutland.....	LaSalle.....	Thomas, David.....	Canton.....
		Ward, Robert.....	Streator.....
		Wilson, Archie.....	Clarke City.....
		Wilson, John.....	Gardner.....
		Wood, Henry.....	Streator.....

